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UNIVERSITY OF PENNSYLVANIA
PHILADELPHIA

OFFICE OF THE PROVOST
34TH AND SPRUCE STS.

January 22, 1917

My dear Dr. Jastrow:

I am sending you the manuscript of Dr. Benjamin Rush's lectures. These are presented to the University by Dr. Hobart A. Hare, who said they were the lectures used by Dr. Hare himself.

Yours sincerely,

Edgar F. Smith

To
DR. MORRIS JASTROW,
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The Practice of Physic

Lecture 1st Jan: 30th

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Vol. 2

The practice of physic treats of the causes, symptoms & cure of diseases. Of the Diagnosis & Prognosis. My principles under the diagnosis are of little consequence as they do not consider so much the seats of diseases as the state of the system. But the prognosis in this course shall have its full weight. I shall adduce a new order I shall reject Dr Cullens & all others I know of. the following simile will illustrate how far I differ from Dr Cullen We will suppose the Dr to have a house containing 100 rooms each having a different lock of course he must have an equal number of keys to open them; now I am capable of opening every apartment of my house with the assistance of a single key. Besides it cannot be but some of the Drs keys from being long out of use must become rusty. The subject first to be explained is what is improperly called Fever, improperly I say because the word fever implies heat, now we know there

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there are fevers without any heat - You see Gent: how we are shut out from truth in medicine; the time I hope is near at hand, when the names of diseases will be as little noticed as the names of Hea=then Gods.

1st Proximate (vide Vol: 4 Med: Inq:) Dr Rush here took this Vol: as a text book upon which he made a few comments. Direct & indirect debility are of such similarity as to be known only by their causes. Mr Hunter calls those medicines stimuli which induce healthy action & those irritants which produce disease. A cold night in the Autumn has brought on fever in some hundreds of persons; this was owing to the miasmata, which was floating in the system being put into action by the cold incuasing the excitability by the abstraction of heat - contractility lessens with age; thus the skin of old men being pinched up is long contracting. the contrary in young animals; this is a good rule to tell a horses age by. There is no disease that affects the system equally in every part they are all partial; thus in affections of the Bowels, the excitement is brought from all the other parts of the body & concentrated there; hence

the

the debility of the muscles & the violently morbid action of the bloodvessels. Stimulus is the remote cause of disease & there is no other. This is founded on there being but one proximate cause (Vid: Vol: 4th) Nosology is only a statement of symptoms & should therefore be called Symptomatology. Physicians have lost their reputation by declaring the unity of disease. I shall prove to you hereafter that a convulsion of the muscular fibres of the Bloodvessels, as certainly takes place in fever as a common convulsion of the muscles & nerves. You will often find violent action of the vessels of the head & neck, abdomen & heart, when there is scarcely any in the wrist. You will find violent action in the temporal artery when the Hearts pulsations are very weak. Attend to this Gent: for one of the indications of Bloodletting, is to render the excitement general, by diffusing it thro' the system equally. In many cases you will find, that in opening a vein, the blood will at first run very well, but will soon stop; give a glass of wine & the blood will flow freely - this makes me suppose that the veins take on them a — —

Lecture

Lecture 2d — Jan: 31st —

The white tongue in Yellow Fever is a bad sign; it shews an obstruction of the biles passage — Yellow tongue is a favourable symptom a black tongue is a very unfavourable symptom in malignant Fever it shews a tendency to mortification. I believe mortification in a degree does take place on the tongue for when a patient begins to recover large sloughs come away. There can be morbid action without inflamation. There are dissections to prove that persons have died of Cholic Hydrocephalus Internus. Hydrophobia &c with all the phonomina of morbid action without the smallest mark of inflammation. Forget not Gent: it is morbid action that constitutes disease — it is not necessary that inflammation should be present; For instance when a patient dies suddenly from the impression of a violent Stimulus, there is disease but no inflammation. Impression in one part will produce sensation in another i.e. the part debilitated previously. Of Course we have many misplaced Fevers. The Brain, for instance, will be strongly affected with Fever, & symptoms of Fever will appear in

no

no other part of the system; the whole being locked up as it were in the brain. The pulse here scarcely tells us any thing. Impress this strongly on your minds Gent: Mr Jn° Hunter has accurately taken notice of this circumstance & if he had left nothing else behind him it would have been sufficient to perpetuate his name. We will now say a few words on the precursors or premonitory symptoms of Fever which are 1 Costiveness 2° Dyarrhoea 3° Dulness of intellects or universal Frightfulness 4th Preternatural or defective appetite 5th Loss of appetite for Tobacco in those who have been accustomed to its use 6 Excess or deficiency of urine 7th Preternaturally dry or moist skin 8th a preternaturally warm or cold skin 9 Head ache 10 Giddiness 11 Wakefulness 12 Distressing dreams 13 Heaviness or a disposition to rest, when these symptoms occur they should never be neglected. The remedies are

1st Gentle Evacuents

2° Gentle Stimulants

Those falling under the Head of evacuents are 1st a Purge 2° a Vomit 3° Bloodletting 4th Sweat 5 Fasting 2 or 3 days these remedies

-dies should be administered in small quantities. Those which come under the head of Stimulants are 1 Gentle heat 2. Pediluvium 3. General moderately warm bath 4 Wine 5 L: Laud: & a pint of Sage tea or warm whey which cures either by distention, or by a diaphoresis. Fatigue from any cause may be prevented by the above remedies. I have known many Gentlemen use the warm bath after the chase & thereby effectually prevent the fatigue that would otherwise follow. The Noblemen in England will ride 60, 70, or 80 miles a day to reach London in the Evening when by using the warm bath, or some of the remedies above men-tioned are rendered perfectly able to visit the Theatre & sit up the chief of the night, without experiencing the least fatigue. As ma-ny of you Gent may be exposed to fatigue frequently in the course of your lives let me recommend to you always to use the pediluvium or some of the other remedies mentioned after such exposures. By the use of these means I have not only strangled a fever in myself but in a thousand other instan-ces These stimuli here act in a ratio with the excitability a

a portion of stimulus disproportioned to the excitability would in-
-duce violent morbid action. Take notice you are to use the re-
-medies under the second Head in the forming state of disease;
after which they are highly improper.—

Lecture 3d & 4th Feb.y 1st & 4th

Indications for Bloodletting in Fevers (vid 4 Vol: Med.)

The abstraction of a quantity of blood is not in ratio to the reduc-
-tion of the excitement; because the abstraction of some blood will
produce an additional evacuation by the skin emunctories &
Many— many instances of lengthy nervous or putrid Fevers are
brought on by the neglect of the lancet. Fevers are not cured by
Physicians unless called early. For after a certain time unless Blood-
-letting has been used they will run their course. There is
frequently a vomiting attending bilious Fevers; Anti-emetics with-
-out number have been administered but there is no Anti eme-
-tic here so good as the lancet, a Purge, or an Enema (vid vol: 4)
We have fewer Dropsies fewer Consumptions fewer Jaundices

fewer

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fewer Hydrocephali Internni &c at present than formerly owing to the lancet being more generally used in the diseases which precede them. I have been led to suppose that bleeding would cure the stone. To prescribe for the habit of a patient is to prescribe for his constitution; it is not the constitution but the morbid action that must be attended to in disease. All chil-dren that die in the course of 2 or 3 days illness die of indi-rect debility & might be saved by depletion. In old age Dr Cheyne used to observe & very properly that bloodletting would render a mans passage down the hill of life much more quick & safe. While your female patients Gent: during pregnancy are la-bouring under inflammatory fever you will never have an ab-ortion if you will remember to bleed more liberally than if they were not pregnant. so also in small pox &c. In an inflammatory disease provided the pulse continued to call for the Lancet I would go on bleeding untill I got nothing but pure water out of his veins You have no alternative Gent: your patients will die without it & you should at least give them a chance." A doubtful remedy

Ritter

better than none" Celsus. To be limited in the use of the lancet in one fever & not in another is to prescribe for the name of a dis-ease. Bleeding will produce pain, convulsions &c by removing an oppressed state of the system (vide Vol 4th) Bleeding in short but once or twice in depressed states of the system is like untying a Tyger & not destroying him afterwards. In depressed pulses examine the temporal & Carotid arteries the heart & Abdomen & you will frequently find them beating forcibly; Bleed and you will equalize the excitement. Impress your minds strongly with this idea Gent: that your patients may be apparently worse tho' they are in reality better. Bleeding has been accused of bringing on the chronic state of fever 'tis impossible for if you bleed in proportion to the excitement you will never have a chronic fever (Vid: Vol: 4th) I wish the term nervous could be banished from our books of medicine. The more I see & consider the more I consider it as being useless in the history of diseases. Dr Cullen considered them as the monarchs of the system. I conceive them as acting a much more humble part; they are only

only doorkeepers or messengers for the bloodvessels while the blood=
=vessels are the centinels of the body, the fountains of disease
They posess this destination by birth, for they are the first born
parts of the human body. If bleeding is proper in one fever it is
proper in all you must never leave a fragment of fever behind,
for like the polype tho' minutely divided still requires repeated
strokes to destroy it. I always avoid giving emetics in inflam=
=matory fevers attended with a determination of blood to the head.
I have seen death produced by them in several cases. I should
not be astonished to see death appear while bleeding my patient.
I have however never seen such instances occur; but I have seen
them drop off from the operation of vomits purges &c. Tis a ve=
=ry difficult matter to bleed a patient to death provided the blood
be not drawn from a vital part. Have any of you Gent: ever
heard of a persons dying in consequence of a bleeding from
the nose, an Homorrhagy from the Uterus & Dr Young of
Edinburgh in his Lectures on Midwifery used to tell us that
in his extensive practice in that art he never knew of an
Homor=

Hemorrhagy from the Uterus destroying a patient. For the phe-
=nomina which require Bleeding (vid my 4th Vol:) You are
always safe in Bleeding in the depressed intermitting pulse &
which occurs in the beginning of diseases. You are also safe
Gent: in Bleeding in those complaints attended with paroxysms.

Lecture 5th Feb.y 5th

For the different appearances of the Blood see my 4th Vol: I have
in my last publication inculcated the use of Bloodletting to ren-
=der death more easy; this single sentiment I am confident
has not cost me less than £1000. Tis the business of the phy-
=sician to lessen human misery in all its forms. Other Physi-
=cians give Laudanum &c for the same purpose; but I would
advise you to Bleed in small quantities & you will thereby les-
=sen the pangs of dissolution more than by the use of opium or
any other medicine. I have thought the five appearances of the
Blood laid down in my 4th Vol: as being the attendants of mor-
=bid action, & that the sizzy Blood marked inflammatory action
strictly

strictly so called. There is more danger in cases of morbid than inflammatory action. The absence therefore of the inflammatory crust instead of making you lay aside your lancet, is a vehement call for ôtill persisting in its use untill you draw sizzy blood. This blood I have always looked upon, as safe soundings, after a long & dangerous voyage. You may by it Gent: consider yourselves as having gotten into a safe harbour. Fevers of the most violent kind are said by Dr Fabre in a late publication to fall upon the vital parts, while those of the moderate kind he says fall on the emunctories. The first he calls Centripetal the second Centrifugal. These are good observations. There are Physicians who think it death to bleed more times than a set number in a certain number of diseases; but these physicians act as mechanically as a Taylor in cutting a suit of clothes tis empirically absurd. Your patients you will find Gent: will seldom recover from a fever untill you have taken off their florid countenance. Physicians have ridiculed me for bleeding my patients as they say untill they were as pale as Jersey veal" I have bled my patients untill they were pale & I will still continue to do so &

I would sooner die with my Lancet in my hand, than give it rest while I have breath to maintain it, or a hand to use it. In violent malegnant fevers where there is a depressed state of the system or congestion, bleed frequently & in small quantities & when you have removed the depressed state & brought about a pure arterial disease take your usual quantity. Reverius was the author of this method of bleeing; he bled his patients 4 or 5 times a day in malignant fevers I am certain I have saved many by this mode of bleeding that I should otherwise have lost. Tis important Gent: I do not know any thing more worthy your attention. In all malignant fevers bloodletting shoud be cautiously used after the 5th day because the congestion absorbs the most of the blood from the body therefore but little is left to act upon the bloodvessels & by abstracting that little you precipitate death. Hence in drunkards & aged people attend to circumstances & cautiously use the lancet as their systems are easily thrown into an oppressed state. So much for bloodletting, we will now proceed to consider evacuents of another kind——

Lecture

Lecture 6th Feb.y 6th

I° Vomits. They are useful in Fevers of moderate action as the Bilious & Anginosa states. They act by removing the redundancy of vitiated Bile from the Stomach & by raising the excitement of this organ by abstracting convulsions from the Arterial by removing the indirect debility & prostration of strength which the stimulus of Bile had occasioned. To be effectual 2 or 3 should be given thro' the day Dr Cobham of N Carolina I am informed cured malignant Fevers by constant vomiting for 3 or 4 days. The Cholera Morbus which is a Bilious disease, is cured by nature, by exciting vomiting & purging. Tart: Emet: is the best; the less you patient drink the better. Emetics I suspect are only proper in the early stage of fever when congestion has taken place they are improper

II° Purges. They are more useful than vomits, they not only deplete powerfully but create a new action in the intestines as purges of Calomel & Jalap, Rhubarb, or Salts is preferable. Gamboge is a very good cathartic.

III° Diaphoretics. They are 1st Stimulating medicines 2° Diluent

=ent drinks, these act by destroying or diluting acrimony 3° Nau=
=seating doses of Tart: Emet: 4th Warm Bath 5 Cold Bath 6th great
weight of bed clothes this was the practice of Sydenham tis the best
mode of exciting sweating in malignant fevers. To be used with ad=
=vantage it should be kept up 24 hours; it should be general &
the linnen should be frequently changed. Sudorificks are seldom
necessary, they are uncertain the lancet is more effectual & I will
never use them.

IV *Salivation.* It is excited by 1st giving mercury every
2, 3 or 4 hours 2° Friction with mercurial ointment 3° Rubbing
mercury on the gums 4th wearing mercurial socks. When a sali=
=vation is wanted to be quickly excited each method should be
used. Bleeding will render the action of mercury much more
certain, speedy, safe & effectual.

V *Blisters.* These are the weakest of the depleting re=
=medies. They should never be resorted to when high arterial ac=
=tion attends unless there be topical affection. From a review of
the evacuating remedies Gent you will readily percieve how far

far they are inferior to bloodletting & where one person is destroy
=ed from the use of it. a thousand die from the use of other evacu=
=ations. We now pass on to the consideration of other remedies
which diminish morbid action by abstracting the stemulus of
heat. Heat acts positively on the system & cold negatively. That
it is a negative property is proven by the experiments of Che=
=mistry & Physiology. The body is comfortable in youth at 62 of
Fahrenheit. In fever the heat of the body is 120° in health 96°
The difference therefore is 24° the patient should therefore have the
temperature of the room at 24 below 62 or 38° raising or lower=
=ing it in the ratio of inflammatory action. To obtain its debili=
=tating effects the temperature of the room should be below. It is
a debilitating remedy & therefore lessens excitement. No general
rule can be established as to its application. Much harm has
been done by fixing a particular standard. The cool regimen in
small pox has been attended with fatal consequences from the extremes
to which it has been carried; & by not attending to the above regula=
=tions. It must not be used indiscriminately. When the lungs are
much

much affected as in Pneumonia, Measles &c by a diminished ac=
=tion tho' inflammatory action exists in the arterial system
cold is improper. If there be too little action, pure, but not cold
air is proper. Its effects are more certain when combined with ex=
=ercise as in sitting up &c as this takes down the excitement and
dispipates the excitability of the system 2° Cold water. It acts like
cold air in destroying heat; it acts two ways 1st by ablution 2d by
dashing over the body, in the former way it acts as a sedative in
the latter as a stimulant. The former of those two ways is on=
=ly proper in inflammatory fevers; tis not necessary to use it gen=
=erally for all the purposes are answered by applying it to different
parts, as to the head, feet &c Injected into the bowels the second
mode of application it acts as a stimulus. I knew one case of in=
=stant death by this means during the Yellow Fever of 1793
Chilliness sometimes attends inflammatory fevers in which both
methods are improper. The cold bath is used with advantage
at It should be applied for a length of obtain its se=
=dative effects. The Indians & Africans diminish excessive action in

in small pox by plunging into cold water & Mr Bruce men-
-tions that at Mesuah they used to cure Bilious fever by de-
-luging the patient with it both internally & externally. During
the Plague in the City of London a man was cured by swimming
acros the River Thames in a delirium; Here the morbid excite-
-ment was taken down & with it the excitability. The feet im-
-mersed in cold water will reduce the pulse 20 strokes in a mi-
-nute. Pounded ice inclosed in a bladder acts as an excellent se-
-dative. They all act by 1st Abstracting heat from the body 2d
Mechanically by contracting the muscular fibres of the blood-
-vessels. Physicians have objected to cold water as being prejudi-
-cal to patients under the use of mercury. If so should we not
advise the application of cold in its various forms in inflam-
-matory fevers as it brings about the wished for effects much
more effectually 2d Abstemious diet as food is a stimulus it
should be abstracted in disease. Toast & water Beer &c will be
sufficient 3d Light. It should be abstracted in a great mea-
-sure. I have seen the light from a sparkling hickory fire

produc

produce delirium in Fever

4ly Fear - It abstracts the Stimulating passions & when moderate I am well persuaded would be of service in inflammatory Fevers

5ly Rest - It should be strictly enjoined. I have known many instances, where even very short journeys were undertaken in the incipient state of inflammatory Fevers proving fatal.

6 Sitting up in a chair is a good practice, it frees the patient from the heat of the bed clothes & gives the air a free access to their bodies

7 Diluting Drinks are of much service in cases where acrimony exists too much cannot be said in favour of them. Toast & Water. Raw apple water & Tamarind water all sweetened are excellent drinks for this purpose - as likewise are Lemonade milk & water, jelly water &c. Thirst should not be the measure to invite us to the use of them they should be used at all times

8 Filth should be removed from the body by soap & water & from the teeth. It is very prejudical Offal matters should be immediately removed from the rooms of the sick.

9th Medicines acting by diverting morbid action from one part to another - these all come under the head of evacuents.
10th Medicines said to be sedatives as Nitre - this should be preferred to all the neutral salts except in Bilious cases when Glaubers salts should be preferred Grs X to XX of nitre every two hours of G: Salts ℥ij every two hours. —
3 Cream of Tartar & Acids of all kinds are good 4 Sugar of Lead recommended by Sr George Baker in Homorrhagy. I have sometimes given it in diseases of too much action with great advantage - 5th Foxglove I am of opinion might be given in inflammatory diseases with advantage 6 Sweet oil - the Body anointed all over with it has been used in Turkey in pestilential Fevers with considerable advantage. A sweat follows its application. The Samaritans balsam which is a mixture of oil and wine has been used in Fevers. It relieves the pain of a fresh cut immediately. In pleurisies & coughs oil acts very agreeably by sheathing the fauces from the irritating discharge which takes place. —

Lecture

Lecture 7th Feb 7th

There are states of Fever in which stimulants are necessary. They are either external or internal. The former are 1st Warm Bath 2° Cataplasms 3° Fomentations to the bowels & limbs 4 Blisters &c. The latter are divided into medicine and aliment under the head of medicine are 1 Fermented & distilled liquors 2° Empyreuma=tic oils 3° Musk 4 Castor 5 Opium 6 Ether 7 Mercury 8 Bark 9 Volatile alkali 10 Invigorating patients. Under the head of Aliment they are 1 Vegetable 2 Animal. In the administration of medicines attend to the following directions 1st Begin by giving small doses & the weakest first & proceed gradually to increase them 2° Give but one or two at a time 3° Give them in rotation as a constant use of one prevents the system from being acted upon by it whereas by omitting it for a time its effects are produced again nearly as be=fore 4th Give them constantly. This applies particularly to the in=ternal; as Opium &c.

Of Stimuli considered seperately. 1 Vine. This con=sists of a spirit & an unfermented matter called must. The white wines

wines contain more of the nutritious, cordial, antiseptic & stimula-
-ting properties than the red wines, they should be preferred in all
cases of acidity. They may be given either alone or dilated in large
quantities as from a quart to 3 pints of the white wine in 24 hours
& from one to three bottles of the red a day. Dr Campbell gave a
woman as much as six pints in a day. It is remarkable that
persons in the Typhus state of fever who could not in health
drink half a dozen glasses without being intoxicated will drink
from two to three bottles of wine without any sensible effect. I
think I once lost a patient in this state of fever from the igno-
-rance & obstinacy of his parents, who would not permit him to take
more than one or two glasses a day for fear as they said of send-
-ing him intoxicated into the presence of his God.

2° *Malt Liquors*. Porter is preferable to all. Its bitter pro-
-perty gives it a tonic power & is not liable to decomposition in
the stomach. From one to three bottles may be taken daily. Dr
Lettsome has the credit of first introducing it into practice. 3°
Distilled Liquors. Spirits are far inferior to wine & malt

liquors

liquors, as they are less nutritious - they are stimulating without any other effect - they may be given to such as have been accustomed to their use with advantage & may be applied to the skin externally & snuffed up the nose.

4 Empy'reumatic & Aromatic Oils. Of the former I have only tried the oil of amber, which is particularly useful. In the Hic=cough which attends the last stage of fever it proves very service a=ble. It is good after evacuents in all spasmodic affections. It acts on the muscular fibres. Oil of mint under the head of Volatile oil is very serviceable in assisting the Stomach to retain medicines.

5 Musk & Castor. I am very little acquainted with the stim=uli which are taken from the animal Kingdom, these mentioned succeeded Album Grocum & other loathsome medicines. Lately an attempt was made to introduce the urine of the Pole Cat in=to the list of the Materia Medica. I have seldom given any of these stimulants from the Animal Kingdom - but when I have they have seldom done much good.

6 Opium. This is what the roman Poet calls his Nero "Ipse Agmen"

Agmen" a host of itself. I believe it to be a Stimulus & a most powerful one, all its effects may be explained on this prin=-ciple & this opinion I published in the Philosophical Transac=-tions long before I heard of the name of Dr Brown in me=-dicine. Tis true I knew him in Edinburgh when a Student but he was then distinguished only for his profanity - for his velocity & acuteness in writing & for his being a very great Latin & Greek Scholar. That opium is a Stimulant I infer from its effects on the human body in health & sick=-ness thus when given in small quantities it increases the ful=-ness & diminishes the frequency of the pulse, if in large doses inflammatory action will be produced - it acts on the sur=-face of the body by producing perspiration & its effects are analagous to those of spirituous liquors it produces sleep in the system when it is below the sleeping point by raising it to it. or if it be above by inducing indirect debility. It acts on the same person differently at different times according to the state of the excitability. 30 drops affecting a person more at

one

one time than 300 would at another Dr. Brequit at Paris took in the course of one day 100 Grs of Opium & 1 ℔ of Ether in a fit of the cholic without any bad effects. It enlivens the mind & removes flatulency from the stomach - all other stimuli have their different systems to act upon while it possesses an univer-
-sal empire over the whole body. Other stimuli may be com-
-pared to a Candle which gives only partial light while opium may be compared to the sun which gives universal light to all nature. I was first led to suppose it a stimulus from the fol-
-lowing fact. A Gent: in the lowest stage of Typhus fever took by mistake a tablespoonful of L: Laud: instead of the same quantity of Cark mixture & immediately fell into a deep medi-
-cinal sleep which lasted 48 hours at which time he awoke relieved from all his symptoms during his sleep his respiration was easy & natural. The want of sleep is more frequently occasi-
-oned by an excess than a deficiency of the dose. I have fre-
-quently induced sleep by 5 or 10 drops of Laud: when fifty would not have had the same effect. Sleep should rather be

brought

brought on by raising the system to the sleeping point than by inducing indirect debility as the latter tends to effusion. The following directions should be attended to in giving opium 1st the less the deficiency of action the less the dose by attending to this a few drops will sometimes have salutary effects.

2° The dose should be increased

3° It should be given in small doses in the day & a large one at night as then the debility is greatest.—

4th In all cases of sudden direct debility it should at first be administered in small doses Dr Stedman relates the case of a boy who having been previously debilitated by an Emetic, died in consequence of taking only 20 drops of Laud: which was certainly a large dose for the state of the system.

5th After being used for some time it should be laid aside and other stimuli used in its place.

6th It should be also administered by Glyster when its effects begin to lessen by the mouth.

7th The dose should be lessened as the patient recovers in proportion

=portion to the ratio of action in the system.

℞ Ether. It may be given after opium from 30 drops to a tea=spoonful every hour. Tis a very volatile stimulus.

℞ Mercury. I have ranked it under the head of Stimulants Tis a powerful one. In 1788 I attended a Gent: in a very low state of Fever on the 13th or 14th day he complained of a dull pain in the region of the Liver. Suspecting an obstruction of that Vis=cus I immediately ordered half an ounce of mercurial Ointment to be rubbed on the affected part which induced a salivation & produced a favourable crisis. This medicine may be given with ad=vantage in the Typhus Fever. In fact in every chronic state when other stimuli fail I always make it a rule to use this medicine liberally

℞ Bark. It is good both as a diffusible & durable Stimulus. It has many advantages in low states of Fever. It should al=ways be begun with an infusion then with L: Laud: as fol=lows. Take Bark, Mint Water, Laud: & Huxhams Tincture & mix them together. The same rules in its administration as in

in that of opium are proper. when it fails it is because it is not given in sufficiently large doses. It may be given from one to ten ounces a day. When it is rejected Gentian & Columba should be substituted but they are no more to Bark than Asafotida is to Opium

11 *Volatile Alkali*. Pringle long ago discovered an anti-septic property in this substance, but its use I think arises entirely from its stimulating the system. from 5 to 10 Grs may be given in the form of a pill.

12 *Invigorating Passions*. The state of the patients mind should never be neglected in these low states of fever. Anger and Terror have both been attended with success. By anger tho said Dr Cullen once prevented an attack of the Typhus fever Courage has done wonders Joy has also had happy effects. Hope is the cordial passion most under our directions. It should be inspired by the recital of agreeable news. The midnight tales of old women should be guarded against. A Pious Clergyman should be permitted to converse with the patient. I have seen

Happy

happy effects follow their visits. It composes their minds & inspires them with the cordial passion of hope. A good answer to make your patients, when they enquire about their Friends who are ill even tho' they be dead is to say they are very low, but you hope will soon rise or get up again.

13 Pure air. Too much cannot be said in favour of pure air; for cold air is very hurtful in these states of fever. Dr Lind mentions many cases in which a change of air chan=ged the Yellow Fever into a common intermittent. Unity of Fever. To encourage the circulation of pure air 1st The room should be kept empty 2° There should be a fire place in the room & a fire kept in it 3° All causes should be remo=ved that tend to corrupt it 4th Its impurities should be cor=rected by keeping a little fire in the middle of the room & keeping the windows open. Earthen walls are said neither to retain nor propogate contagion. This is left on record by Count Japon. The effluvia of smoke in curing fever did not escape the notice of Mr Bruce, for he said "those who were

poor

poor & Lived in smokey houses escaped the Fever of Mesjura"
The deflagration of Nitre & pouring sulphuric acid on it, dis-
-engage pure air. Tubes from the outside to the inside of the pa-
tients room have been recommended as an excellent method
of purifying the air. The smell of vinegar whether pure or burnt
is very grateful in this Fever, but it should not be sprinkled
on the floor, as it is apt to putrify there. Water should be
preferred to sprinkle the floor with. Volatile Liniment is now
used to the Stomach & Bowels, & injections of Bark Wine and
Laudanum are also very serviceable.

II *Aliment.* This is either vegetable or Animal. Un-
-der the Vegetable are Sago. Panada. Tapioka &c. Animal Food
has been objected to on account of its alkalescent tendency but
without foundation - It is far superior to vegetable because it is
more stimulating. Oysters & Chickens are grateful; when soups
are objected to solid food may be recommended. I have cured
many by attending to aliment in Low Fever. The degree of ap-
-petite should not regulate the administration of food; for we
know

know there is often digestion without appetite & vice versa
You should urge your patient to eat often though but little
at a time.

III *External Stimuli.* They are / Certain internal stemuli so prepared as to be applied externally to different parts of the system - as the Nose, the Temples - the regions of the Stomach & Bowels - the Limbs & lower intestines by way of Glyster 2d Cold & warm water, but these can seldom be used with safety owing to the great debility which succeeds the exertion of getting out of bed. Dr Tilton was nearly destroyed by attempting to use it in the time of the last war. All their good effects may be obtained by means of warm fomentations to all parts of the body of Brandy & Water Pediluvium Sponging the body with cold wa=ter & warm will answer. Cataplasms of Bread & Milk should be applied to the feet but should not stay longer than 3 or 4 hours it is not necessary they should stay on longer. If these fail the external application of Bark with Wine will have a very good effect. Dr Broadbelt of S. Carolina was cured by being

wrapped

wrapped up in a strong infusion of Bark & Wine

3 Blisters. They are not improper; but they are seldom of much service they are what Dr Brown happily calls them "extreme unction" in Medicine. There is a point in the system which I have called the Clistering point after which they should not be applied

4 Fomentations of Volatile Liniment Mint water & are proper 5 Caustics in the Low Lethargic state of Fever, they are attended with eminent service to the patient they should be applied between the shoulders.

6 Boiling Water & Frictions should be applied in syncope & apoplexy as we with them to act quickly; when they are not at hand a coal of fire will answer.

Important Queries 1st Is it proper to sit up in the low state of Fever. No I have seen many deaths in consequence of rising to go to the close stool. I once saw death evidently hastened by turning from one side to the other. They abstract stimuli by exertion. Cloths or a Bedpan should be used to remove the

patient

patients stools 2° Are cold drinks proper - No they should be warm unless there be a local affection of the stomach as hap-pens in the last stage of those fevers from a retreat of the ex-citement to this organ 3° Is purging proper - No - one stool a day will be sufficient but no inconvenience will arise from a retention of the feces two or three days 4° Is sleep proper - To judge concerning this the pulse should be attended to. If it be active sleep is proper - if very low the patient should be awakened frequently, to take some stimulus or nourishing diet. These ob-servations were to shew the immense consequence of frequent visits to your patients. The necessity of frequent attention will also occur to you when you consider how readily one state of fe-ver will pass into another. I will here risque a bold assertion If the physician was well acquainted with the state of the system if he had an uncontrouled government over the patient if he was always to be with him &c - I have said that it would be impossi-ble for him to die of a fever. Unnecessary attendants should be prohibited from your patients especially the friendly visits of phy-sicians

=sicians who are not the attending or consulting ones, they are not responsible for the life of the patient & their conversation frequently tends to destroy the necessary confidence in the prescri=bed medicines & attending physicians. A Physician should al=ways study the climate & diseases of the part where he lives, then the habits & constitutions of his patients &c But the state of the pulse the state of the system I repeat it again the state of the system should be the compass from which we should never take our eyes in directing our prescriptions. Tis this should alter lessen and in=crease the doses of our medicines. Tis like a ship at sea whose sails must be spread & regulated with every varying change of the wind.

Lecture 8th Feb 8--98

Convalescence. We have finished our description of Fe=ver generally - Yet after the termination of fever patients are frequently the objects of medicine. Convalescence itself is a disease of debility with excess of excitability & with several symptoms of

Feve

fever. Its symptoms are 1 Wakefulness 2 Sickness & vo-
-miting 3 Defect of appetite 4 Swelled legs 5 Obstructed men-
-ses 6 Ulcers 7 Defect of Speech 8 Impaired memory 9 Alteration
of the voice 10 Costiveness 11 Falling off of the hair 12 Impaired
state of the understanding 13 Cough 14 Depravity of the moral fa-
-culty sometimes occurs 15 a discharge of bile sometimes takes
place after bilious fevers 16 peevishness will frequently happen &
is sometimes preceded by chills. The cure consists in cordial drinks
& nourishing diet - Of the former Porter &c - of the latter. Chocolate,
wild fowl beef stakes. oysters &c. We must let our patients eat
often tho' but little at a time. Fruits of every kind are proper
in the convalescence of fevers, we must however for some time use
them moderately. Mr Howard tells us a relapse has been in-
-duced 40 days after the plague by eating animal food and Mr
Bruce tells us that after a severe fever even the smell of meat
had a very bad effect. The premature indulgence of the ven-
-ereal appetite frequently produces a relapse, as also the too quick
exercise of the understanding. Dr Campbell relates the case of
a

a convalescent who died immediately after answering an inter-
-esting letter. The usual stimuli should be cautiously applied
Hurry your patient as quick as possible out of the room where
he has so lately escaped the grave - For his empty pill boxes
Bottles, Rags, Plaisters &c frequently cause a relapse by a debilita-
ting association of Ideas. I would strongly recommend a change
of dress. Shaving & combing the Head the patient thinks himself
well. I have heard of a Gentleman in S. Carolina who always
cured himself of a fit of low spirits by going to his wardrobe and
changing his dress - Change of air. Gentle exercise in a carriage
but not so violent or long continued as to produce fatigue for
novelty has delightful effects. Huchams Tincture of Bark is
an excellent cordial in convalescence from fever 1st If the fe-
-ver were taken by infection or contagion we must avoid it
2d We must avoid purging for its debilitating effects are too se-
-vere. For some of the symptoms attending convalescence the
following remedies may be employed 1st For the obstinate watch-
-fulness a few drops of L: Laud: or some porter will be proper at

bed

bed time 2° A sickness in the morning & vomiting may be prevented by eating small quantities thro' the night 3° a few drops of Elix: Vitriol three or 4 times a day, or a preparation of Bark or Colombo root will be very serviceable to restore the appetite 4 Swelling of the legs will be removed by rubbing them up & in the morning only 5 Visceral obstructions may be removed by Bleeding, if the pulse will bear it a mercurial purge or Friction & Ulcers according to Shingle may be treated with stimulating applications. I have known Satiety cured by the cold bath & I have known lying cured by the same remedy The impaired state of the faculties is very hard to remove. Time & good living will most probably remove it. By attending to these methods laid down many have been saved from the grave. From the present successful method of treating Fevers not one of a Hundred die tho' 30 years ago ten of that number died. Let us go on & I doubt not but that it will be as rare for a man to die of a Fever as it is now to die of a Toothache ——

Great care is necessary with regard to nurses for they often obviate the

the efforts of a Physician by a total neglect or improper exhibition of the medicines & diet prescribed - when patients are in great danger we should only trust nurses of established characters as attendants - Consequences of Fever 1st An increase of growth in young people 2d An increase of fat 3d It removes chronic diseases 4 Sometimes it removes barrenness. How does fever act in producing these effects? It acts by producing a more extensive base for stimuli to act upon.

Critical days. It is possible they have been accurately mar=ked in ancient days, but from the present corrupted state of the system there is no accurate judgment to be formed of them. That there are such days in the uncorrupted state of the system I pre=sume no one will deny. The Quotidian, Tertian, & Quartan are all original forms of intermittent fever. Some physicians deny that the Yellow Fever is an intermitting fever - tis false & there never was a fever yet but what had intermissions ex=cept the patient was carried off in the first paroxysm and they who deny it must want both understanding & candour

The

The 3d, 5, 7, 9 & 11th are the periods of the Tertian type from this debility gives it the Quartan type & 14, 17, & 20th are its periods. However plausible this doctrine may be it has its difficulties as thousands have cures on non critical days. However the present mode of treating fevers destroys those days altogether. My Contem=porary at the College of Edinburgh Dr Balfour throws aside criti=cal days & substitutes critical periods. The Dr reasons ingeniously he accounts for the return & severity of exacerbations from the in=fluence of the moon. Tis remarkable the bile is always more abun=dant about the full & change of the moon. By attending to the pe=riods of the moon he says his practice was more successful he gain=ed reputation &c &c At the change of the moon he says his patients were always worse. I am disposed to adopt in a great measure Dr Balfours opinions as I have been lately informed by Dr. Pincard an intelligent physician that the influence of the moon is so strictly ob=served on the river Demara in S America some thousands of miles from the sea shore that if they are asked to dine out they always examine the Almanack to see on what day the moon fills or chan=ges

:ges. If it occurs on those days they will not go; as they always look out for an attack of fever. I here leave this subject Gent: & recommend it to your further consideration 'tis worth your attention.

Lecture 9th Feb 9th

Prognosis was the of Physicians when Paients & Physicians were combined I have been led to believe that the doctrine of prog=nostics is half false. The further the pulse varies from the natu=ral the worse. Patients seldom recover when their pulses beat 180 in a minute. I once felt a pulse which beat 204 in a child just born - it died of Hydrocephalus Internus. The pulse gener=ally becomes languid & irregular just before death. But this is by no means always the case. Little can be known from pain in the prognosis of diseases. Women bear it better than men because their systems sooner run over the point of pain. There may be disease without pain, but there cannot be pain without disease Pains are frequently disproportioned to the danger; as tooth ache & Pain in most diseases is a favourable symptom. Tis generally a sign

sign of convalescency from mania. Tis a good symptom in ma=
=lignant fevers &c Great heat or a constant coldness are symp=
=toms of malignant fever. A Coldness of the wrists denotes death to
be near at hand. A Coldness of the breath is a dangerous symptom
I never knew one to recover after it had taken place. A red eye
shews inflammation or congestion in the brain. A muddy eye
denotes a fever of malignity. Preternatural heat of the cheeks &
palms of the hands are bad. Dilated pupils, Strabismus, double vis=
=ion, Watery eye. Blindness &c are all unfavourable symptoms
in acute diseases. A Disposition to shed tears easily is a favoura=
=ble symptom. The patient suddenly turning to view his physi=
=cian upon entering the room is favourable. Tremulus auricum is
alarming. Deafness mostly favourable. a preternatural acuteness
of hearing denotes a crisis to be near at hand sometimes fa=
=vourable, othertimes not. Insensibility to burns, blisters & cold
is alarming. A very sensibleness of pain to the touch is favour=
=able. I always Congratulate my patient on the appearance of
this symptom, it shews an extension of excitement. Running at

at the nose always favourable. Acute sense of smelling de=
=noter a crisis to be near at hand rather favourable White ton=
=gue denotes a malignant fever a dry tongue alarming moist
tongue always favourable A dark colour of the tongue will
continue often for some days after the patient is on the reco=
=very. Tremors of the tongue or an inability to protrude it are
bad. Furred teeth hanging of the lips & under jaw & gnashing of
the teeth are all unfavourable symptoms. Yawning Sneezing and
are all favourable A Chilly fit in the close of a chro=
=nic fever is always favourable, it shews the breaking of the fever
A quick and sharp voice are always alarming if it is not natur=
=al Drawling voice favourable Loss of speech bad Priapism
sometimes favourable & sometimes the contrary. Frowning shews
an affection of the brain 'tis a symptom of great malignity. Re=
=semblance of the face to patients Ancestors is unfavourable. The
Hippocratick countenance which may be known by the ghastly
countenance. sharp nose, hollow eyes sunk temples &c is always
a dangerous occurrence. Alternately quick & slow respiration,

Hollow sound in breathing, rattling of the phlegm in the throat working of the shoulders in breathing & expansion of the nose & cheeks are all unfavourable. Position on either side most favourable on the back less so. Feet drawn up bad, & sliding down in the bed still worse. Peevishness is favourable. Si=lence & asking for things uncommon are unfavourable. Dif=ficulty & noise in swallowing are bad. Thirst in the last stage of fever is unfavourable - it shews the last retreat of the remain=ing morbid excitement to the fauces. No thirst in the beginning of a fever is alarming. A return of former habits as for Tobac=co &c are favourable it shews a return of the associations of hea=lth. A suppression of Urine shews an engorgement of the ves=sels of the kidneys. Pale urine bad. Turbid urine or urine with sediment more favourable. Bloody urine bad. Involun=tary discharge of urine unfavourable. Green & Black stools shew morbid bile. Stools which corrode the rectum indicate an acrid bile, they are all unfavourable. They indicate weak bowels - absence of smell in the stools is bad - a return of smell

smell in them is always favourable Crepitus a good symp-
-tom. An involuntary discharge of faces unfavourable a re-
-gular stool every day favourable. Partial sweats are bad.
A cadaverous smell unfavourable. Sudor is sweat properly
so called. Mador is softness of the skin. Homorrhagies more
favourable from the Anus &c. After all Gent: you will find
there is no one but what will decieve. & like General
Wolfe your patients will die in the arms of victory. Two in-
-ferences may be drawn from what has been said 1st we should
never give our patients over especially in acute diseases 2d
we should never prognosticate the issue of a disease. If you
should always say they will die you would be like the Irish-
-man who was sure he would draw a prize in a lottery. Be-
-cause he thought he would draw a Blank. But to be seri-
-ous never say you can cure a disease positively, never prog-
-nosticate as to the event. they are equally signs of Quackery
When I have been asked the event I generally evaded by say-
-ing. I have seen those who appeared to be better die & others

who

Worms discharged in the beginning of Fever involved in
faces or slime & alive favourable - But when discharged
for the first time in the decline of fever & dead & unfa
vourable - Aphtha on the lips, Tongue &c favourable, but
when they are more deep seated, as in the throat, alarm
ing -

who were apparently worse recover. This altho' it said no=
=thing generally satisfied.

Signs of Death.

I know but one sign of death Gent: I mean patrefaction. This is not always decisive as we know that patients sometimes re=
=cover after the cadaverous smell takes place, which shews in some measure that putrefaction exists

Lecture 16th Feb.y 12th

We now come gent: to consider the different states of fever - and 1st Those that affect the arterial system without any local af=
=fection. 2d Those which affect the arterial System with local affection 3d Such as pass by the arterial System & fall upon other parts - these I have called misplaced states of fever. 1st Such as affect the arterial System without any local af=
=fection. 1st Malignant state of fever. Tis what Dr Cullen im=
=properly calls Typhus Gravior" a small depressed, tense, inter=
=mitting & Pulses attend this state of fever. It is a state of the highest

highest excitement tis disease beyond action. Opium Poisons Contagious &c act in this manner & prostrate the functions of the system so much as frequently to occassion immediate death a weaker action of these Stimuli produces a kind of Palsy in the Arterial system. In dissections from other fevers the arteries are found empty here they are as it were saturated with blood owing to semultaneous action of the vessels. Tis of great consequence to attend to the loss of action externally & the violent action that exists internally in this state of fever. The acid excretions do not as is supposed act as ferments upon the system they act like caustics in producing increase of action. The Malignant fevers are not owing to a ferment introduced into the system. The symptoms & Appearances which resemble putrefaction are owing to the violent action of Stimuli. I have drawn dissolved blood in Gout & Dr Alexander of Baltimore has lately informed me that he attended a patient in gout who died covered with petechiæ & who will pretend to say a ferment was the cause. ——

Under

Under the Malignant Head, come 1" Plague. The ma-
-lignity here is more unusual than in any other state of fever.
I never saw it therefore shall give you its description from
Cooks. It is the offspring of human effluvia. I say human ef-
-fluvia to distinguish it from the effluvia arising from dead ani-
-mal & vegetable substances It generally originates in poor fami-
-lies, crowded into small dirty houses. Tis a higher grade of the
Jail & Ship Fevers. It has declined in those places where it
used to prevail since cleanliness has been observed. It is gener-
-ally but not universally contagious. It can be communicated at
no further distance than ten or twelve feet. The contagion of it
attaches itself for months & even years to woollen cloths hair
wood & whitewashing destroys contagion. Dogs & Cats spread the
contagion in London. The matter coming in contract with the
finger will be propogated. There was an instance where even
the small particle of matter attached to the door communicated
this disease. The Plague like the Yellow fever requires an in-
-flammatory constitution of the atmosphere to render it gen-
-eral

The Plagues of Egypt &c differs from the American Yellow Fever by being attended with greater prostration of the system & with a more centrifugal determination, manifested by Buboes, Petechiæ &c. This difference is to be explained by the difference of climate—

=eral or Universal. Moist & cool weather favour the Spreading of this Fever like other contagious diseases; while very dry, cold, wet and hot weather destroys the contagion.

This disease may be taken two or three times, a proof that like the yellow fever & not the small pox it does not depend on a specific contagion. The disease generally attacks in two or three days after the application of the cause - it sometimes however destroys life sud-denly. It requires some exciting cause to put it into action. Garlic, Issues &c have been of service in preventing this disease. Tobacco that detestable weed has never been of service in preventing it. Low diet & small bleedings are of essential service in preventing it. In-=oculating will not prevent future attacks, but it will render the present much milder. An Earthquake has destroyed the contagion of the plague. The plague is a violent fever - it appears in the form of a Quotidian, Tertian & Quartan & continues even to 40 days It is like the Yellow Fever an Epitome of all diseases. It has been said that the Yellow fever must depend on a specific contagion, because there is almost universally a crisis on the third or fifth day

day? Tis not so. Not to advance other reasons Dr Pinicard has informed me he has seen it spun out for days & even weeks together. The plague chases away all other Epidemics.

Cure 1 Bloodletting copiously 2d Sweating. Dr Sydenham was forced to adopt this method from the prejudices of his patients 3d Purging 4 Vomiting 5 Salivation. Cold water & cold air & all remedies which take down excessive excitement. I will only add that it never occurs without producing dissentions amongst physicians some making it an indigenous disease, while others derive it from importation, they might with equal propriety derive it from the planetary system. All the other malignant states of fever are cured by the same remedies. That malignant fever which is brought on by an over dose of opium I call an opium fever & is effectually cured by Bloodletting vomiting & purging. This is of immense application to our principles in medicine it shews the Unity of cause & effect. It shews that we are able to unlock a door with our common key which has been Locked for ages. —

Lecture

Lecture 11th Feb.y 13th 1798

2° Hydrophobic State of Fever. In entering on the consi=deration of this disease I feel as David did when he approached Goliah. And my remedies Gent: shall be as simple as the sling & the stone of the shepherds boy. It is produced by the bite of a rabid animal. Blood must be as certainly drawn as for the in=oculation for the small pox. Putrid aliment. Famine, Thirst, Fear, Wounds, an association of Ideas. Contagion of the Typhus fever. Hydrocephalus Internus &c as remote causes, act directly or indirectly in inducing morbid action. The saliva of a rabid an=imal produces the highest grade of this disease. It acts upon the Throat as some contagions act on the Liver &c. Speaking of wa=ter. pouring it from one vessel into another & a sight of it will all excite a Paroxysm of the disease.

That it is a fever of a violent kind I infer 1 from its being the consequence of a fever in a rabid animal 2d from the high=ly feverish symptoms, as the red eye, Head ache inflammatory pulse &c 3d from the causes which produce it as penury of ali=ment

=ment. Contagion &c. The symptoms in a dog are a dull eye, fierce look, slavering, madness &c 4 It also occurs most frequently at those seasons when epidemic Fevers prevail - as an Author has accurately observed. Why should not this disease affect dogs & the human Species as well as the plague &c. Tis not now remarkable that this disease should produce a dread of water, than that other causes in other fevers should induce a hatred of Aliment, intolerance of Light &c. Dr Trotter has lately published some good observations on this disease. Formerly when I lectured on this disease I said I made no doubt the time would come when we should have perfect controul over it: & I am happy to inform you that that time is come. For it yeilds with certainty to our remedies. The symptoms in every respect, are similar to those of other fevers vide Dr Fothergill - Dr Boerhaave - Dr Mead describes this disease as being accompanied with a slow & intermitting pulse uncommon sensibility &c Dr Plummer in Vol: 4th Med: Essays of Edinburgh describes sighing Hiccough, Watery eye &c as attending it - Dr. Arnold takes notice of the Sparkling eye

Vomiting

vomiting Wakefulness Convulsions Inflammatory Fever &c in
his description of this complaint. No symptoms occur here more
than in other malignant states of Fever Vid: Dr Meads Inaug:
Dispertation. In a case which came under my care the pulse was
so very tense as to deserve the name of Iron pulse. He was very
low spirited sighed much &c I was called at a late hour took
some blood from him which was very sizy but he died the
next day in convulsions. It was not till after his death I found
he had been bitten by a mad dog. A more genuine inflamma-
tory Fever I never saw than it was. There is a case related in
the Med: Comment: Edin: Vol: IX where no Fever attended. Mr
Baumgarten takes notice of a priapism attending this disease.
I saw the same symptoms in two cases & both ended fatally-
the body in this as in other malignant Fevers speedily putri-
fies after death if no bleeding has been used. The blood is al-
so found fluid in the vessels after death. Morgagni in his dis-
sections takes notice of a black bile being present in the stomach
& gall bladder. Petichio has also been observed on the skin in

some

some cases. All the symptoms strikingly mark the similarity of this with other states of Fever. A patient has died ~~of the~~ of this disease without a single mark of inflammation. Here morbid action went so far that the patient died before inflammation took place. I make no doubt that if the patient had been bled he would have had inflammation. Nothing more occurs here than does in other Fevers. From what has been said therefore I must conclude the Hydrophobia to be in every sense of the word a malignant state of Fever requiring also the same remedies.

Cure. In entering on the cure of this disease we are naturally led to enquire into 1st Such medicines as will prevent & 2d such as will cure 1st To prevent the disease the Virus should be destroyed if possible 1st By cutting out the part bitten if it can be done two or three hours after the bite. Dr. Wistar I am informed prevented the disease by this mean 2d By washing the part well with some liquid 3d By keeping the wound open and running for some months. Dr Wistar says he prevented two cases by this method 4 Low diet as recommended to prevent other

Fevers

Severe. I like the willow shrub bends beneath the action of its cause. I shall here take no notice of the long list of preventatives. they have I believe seldom done any service. the period it commences after the bite is from 15 days to 11 Months 40 days I believe is the general period. The disease from fear has been prevented by exciting anger. I am satisfied this disease cannot be communicated without the matter be instilled into a wound, or applied to parts where the skin is very thin as the lips &c. The blood cannot communicate it. The milk in diet taken from cows labouring under the disease have in several remarkable instances failed of communicating it While directing these preventives we should not neglect to inspire the patient with hope & cheer the mind by assuring him of a certain prevention.

2° Remedies necessary after the disease has formed Bloodletting. Every thing conspires to prove the utility of this mode of proceeding. From 100 to 200 Ounces will be necessary in most cases. The friends of a Girl who was labouring under canine

madness

madness were urging the necessity of carrying her to an hospi-
-tal; she affrighted attempted to run down stairs but fell and
divided the Temporal Artery from which there issued an immense
quantity of blood which caused a recovery & she never after had
any symptoms of the disease. There is a case recorded in the
Philosophical Transactions of London where a loss of 100 Oz of
blood cured the patient. There is also a case related in the Edin-
-burgh Med: Essays by Dr Ennis which yeilded to bloodletting.
Where it has not been cured it has in every instance been mit-
-igated by the lancet. Dr Coxe informed me he had seen the dis-
-ease much relieved by bleeding in St Thomas's Hospital London,
& had the remedy been persisted in he thought the patient would
have been cured. All the other remedies that are necessary to re-
-duce morbid action are to be attended to as in other fevers - ex-
-cept cold water which in every form should most probably be
excluded. A Gent: from England informed me he cured a dog
of his by cutting off his tail from which a copious discharge of
blood took place. And Dr Jardin informed me he cured a dog off his

his by cutting off his Ears from which the blood flowed freely. You are not to be deterred from bleeding tho' your patient grow worse after it for several bleedings. Bleed on Gent: after sufficient evacuations Tonics should be employed as Bark Wine Opium, nourishing diet &c & perhaps the cold bath. You see now that Hydrophobia according to my principles is a fever & I have accordingly given it the appellation of the Hydrophobic state of fever. Disease Gent: is as much a unit as the mind & body of man. This disease from other causes is to be treated according to the causes & effects, remembering always to keep an eye on the pulse. I cannot leave this subject without earnestly requesting you will do Homage to the Lancet "Venerate the Plough" said a celebrated ancient writer. But I say Venerate the Lancet Gent.

Lecture 12th Feb.y 14th.

4th Gangrenous state of Fever. I call it gangrenous because it is the effect of violent stimuli acting on the system Vide Vol: 4th.

Cure

There are six Forms of Bilious Fever. 1 Yellow Fever. 2 Inflammatory Bilious Fever. 3 Mild Bilious. 4. Intermitting 5. Chronic. & 6 Febricula.

Then four Forms of the Intestinal state of Fever. 1 ~~Diarrh~~ Diarrhoea. Dysentery. Cholera Morbus. Cholic. These are the ten states of Autumnal Fever

Cure. Of this disease I have already treated. Remedies are Bark, Vrine, Opium &c. To be effectual they should be given in large doses both by the mouth & Glysters. In this state medicines have often no effect internally. Stimuli however should be at=tentively used externally. The flour of Mustard & Caustics should be particularly attended to. There is frequently an insensibility on the surface of the body & the excitability is particularly deter=mined to the Stomach & Bowels. Death appears to begin on the surface & travel to the internal parts & thereby dissolves the whole system. In these cases the most powerful stimuli should be ap=plied speedily. rubbing the body with mustard arsenic &c Apply=ing Boiling water, a hot iron, or even hot coals of fire should be used. In using them Gent: I hope you will not meet with so much Obloquy & Opposition as I have.

5 Synocha State of Fever Vide page 71

6 Bilious State of Fever. produced by the action of the Marsh Miasmata which acts particularly on the Biliary system. I refer you Gent: to my publications. All the Bilious Fevers from the

the mildest intermittent to the most malignant Yellow Fever from one and the same cause. The contagious nature of the Bilious Fe-ver is by no means confined to the Yellow Fever for under certain circumstances, even the common intermittent will be rendered con-tagious. That all the different states of Bilious fever are contagious I infer not only from my own observations & those of a number of Physicians throughout the Unitedstates, but from the authority of Drs. Cleghorn, Clerk, Branchi &c. I can concieve that certain circumstances would render a pleurisy contagious. I do not say it would produce a pleurisy But it would excite a fever. The Bilious Yellow fever is by no means an imported disease. To assert that it is as the College of Physicians of Philadelphia do, is not only ab-surd & rediculous? but it is highly dangerous. It prevails in every part of the Union from Boston to Savannah. I frequently blush Gent: to think I am a Philadelphian. The remote causes of the Bilious fever act on every part of the system but have a particu-lar determination to the Stomach & Liver. It affects the liver 1st by increasing secretion 2d by producing a morbid secretion 3d by

be destroying secretion altogether. The Yellow in the skin in the first grade of this fever is frequently owing to an absorption of the bile sometimes to a new aggregation of the blood. It is however a fugitive symptom appearing & disappearing frequently with the paroxysms. The worst cases come on without pain or a chilly fit For the black vomiting Dr Wright considers Cayenne Pepper grss rolled up in a piece of bread as a certain remedy - tis a most distressing symptom 'tis a morbid discharge & sloughing off the coats of the stomach after the death of that organ. And when it takes place I believe the patient never recovers. After Evacuations, Bark & Wine & other Stimulants may be proper.

7 Typhus state of Fever. I have treated fully of the cure when treating of the cure of fever in general. 'Tis known by symptoms of direct debility - a weak low pulse &c. It often succeeds the yellow fever & always the plague. Remember that a Synocha state of fever will often take place in the advanced stage of this fever attend to it Gent: & bleed your patients. Vide Vol: 4th. It has been called unluckily the Nervous fever. I have adopted

the

the low state of Fever from Dr Butter.

8 Synocha State of Fever. It attacks with chills, pain in the head & bones sides &c includes pleurisy.

all the remedies formerly laid down will apply here.

9 Typhoid State of Fever. It is composed of Synocha & Typhus it is the low state of fever of Dr Butter. It occurs in certain states of puerperal fever &c It may be prevented by e=
=vacuations Vide Vol: 4th

10 Synochula state of Fever. It differs from other states This is the description of hectic which comes next- Under Hectic Synochula is described of fever in an inequality of Paroxysms it occurs in Gout Consumption &c tis hard to cure. the remedies must be varied according to the state of the pulse Vid: Vol: 4th

11 Hectic state of Fever. Pulse small tense quick &c it occurs in Rheumatism &c Remedies as certain as in Syno=
=cha. Bleeding moderately & frequently purging. Nitre Anti=
=mony &c will certainly answer Vid: Vol: 4th

13th Intermitting state of Fever. They attack with a

a chilly fit & appear in the form of a Quotidian, Tertian and Quartan. When no chill appears tis called the dumb ague They are but one disease & from one cause. Miasmata most fre=quently produces it. For the reason of the recurrence of the paroxysm see pathology. I there ascribed it to an association of Ideas & Motions.

To Moderate the Paroxysms. There is always great de=bility in the stomach. Heat of bed should be recommended warm drinks as Punch &c Laudanum I have found of essential service. To prevent a return of the Paroxysms by removing the debility - these are first palliative as 1 Laudanum 2d Strammonium or Tobacco leaves bound round the ancles & wrists 3d Tonics as Poplar willow Bark Allum &c 4 Spiders juice or wel 5 Sweating before a fire 6 Riding on horseback 7 Terror 8 Cold Bath 9 Lightning 10 Tourniquet wrapped round the thighs it shortens the fit & in=creases the Circulation Secondly Radical as 1 Bark this is composed of an Astringent & a Bitter. It should be giv=en in large doses when the debility is greatest - that is just be=

fore

=low the Paroxysm. Half an ounce given at this time will do more good than two ounces given at another time. After the par=oxysms are removed you should continue it now & then at par=ticular periods. The changes of the moon should be attended to. When the Bark fails it should be given combined with cloves, Wine & Arsenic & Zink have been used. Mercury so as to produce a sa=livation was first given by Dr Bond of this City. I have had no occasion for a substitute for the Bark since I bled more. When the Bark fails it must be owing to the injudicious manner of using it it is either given in too large or too small doses or at an impro=per time. Keep in view the state of the system. Use Purges or Vo=mits necessary to precede the use of the Bark. Where there is a foul stomach one or the other should be used. A Purge of Calomel & Jalap I believe will answer all the purposes of an Emetic. When the system is low Bark may be administered without the previous use of either an Emetic or Cathartic. Dr Claypoole of N Carolina informed me he had seen the intermitting fever alternate with Gon=orrhoea. Obstructions are frequently the consequences of Intermittents

Calomel

Calomel in small doses will remove them. Purging is improper on account of the debility which is generally present. An Intermittent was produced from a decayed tooth which continued a great length of time untill it was extracted.

Lecture 13th Feby 15th

14th Sweating State of Fever. This occurs in Plague Mania, Small pox, Pleurisy &c. The celebrated English sweating sickness was nothing more than a symptom of Plague. Sweats in all Fevers are the effects of morbid action, concentrated in the capillary vessels. You have seen it in a remarkable degree in Abel Evans a Maniacal patient in the Pennsylvania Hospital — Cure must be attempted by Bloodletting I have frequently met with it in yellow Fever & as frequently removed it by the lancet. A full, tense & chorded pulse attends. The Patients & their Parents & their Friends will object to your bleeding, for this reason, as they think that the sweating is critical — But it is entirely different from the common sweats in Fever — as this sweating state

occurs

occurs in the beginning of the fever.

15th Fainting State of Fever. Occurs in Yellow Fe=
=ver & Bleeding will remove it. The fainting here is by no means an objection to Bloodletting – so far from it that it destroys the dis=
=position to faint. ——

16 Burning State of Fever –. This is either partial or general I have most frequently observed it to be partial. The blood in these cases partakes of a great degree of the heat.

Cure Bloodletting seldom fails of reducing the heat & equally diffusing it throughout every part of the system. There is something very remarkable in this heat. as it does not appear on action in the arterial system.

17 Cold & Chilly state of Fever. This is partial or general it occurs frequently in the Hydrocephalic state of fever. In the Yellow Fever I have seen it remain 5 or 6 days while there was the most violent action in the system.

Cure. It yeilds not to the warm bath but to Bloodletting. It has been common to forbid the use of the lancet here on ac=
=count

=count of the coldness being a symptom of debility; but it is owing to a violently depressed state of the system. Blood should be drawn frequently & in small quantities.

II Those which affect the Arterial with Local affection. These local affections are owing to Local debility being induced. This is always attended with increased excitability & followed by increased irregular action.

1st Intestinal State of Fever. This includes 1 Cholera & 2d Dysentery 3 Diarrhoa 4 Cholic. They are the febris introversa I have suspected Cholera to be a fever of the highest grade of the bilious state turned in upon the bowels & carried off by nature. While Diarrhoa is a common bilious fever thrown upon the intestines. It is not necessary that Cholera should be attended with both vomiting & purging for I have seen most violent cases attended with purging alone.

Cure — Cholera seldom requires more than a few drops of L. Laudanum. I have seen several cases however which required bloodletting & where I have bled two or three times with the best effects.

2d

2 Dysentery. It is the offspring of Miasma & Contagion. It occurs most frequently in high situations. It is remarkable that an intermittent will prevail at the side or bottom of a hill, while a Dysentery is raging at the top both evidently owing to the same cause. The dysentery prevails on the high situations because of the cool temperature of the air chilling the perspiration & throwing it in upon the intestines. It occurs in the fruit seasons owing to the low sapid diet of fruit inducing debility on the bowels & thereby inviting morbid action. Moderate quantities of fruit are good, as they carry off an offensive bile. This disease affects country people more than citizens, & children more than adults. The dysentery has gone off with a salivation, also with Violent Opthalmia & Rheumatism. It always commences with morbid action & a purge will effectually prevent it in those seasons or families where it prevails. This is certainly very important. This mode of curing the dysentery is not confined there alone, the same is attended with happy effects in Yellow Fever - Measles &c

Cure - 1 Bloodletting where the Pulse pain &c call for it which

is now more frequent than formerly - It is absolutely necessary.

2° Vomits where sickness at the Stomach attends

3° Purges are certainly highly necessary - Castor or Linseed oils Manna &c are of a soothing Lenient kind - others of a more pow=erful kind may sometimes be required. —

4 Lime juice with common salt was strongly recommen=ded by Dr Wright of Jamaica.

5 Glysters, as flaxseed tea Rice Jelly &c a few drops of L: Laud: will be frequently very serviceable.

6 Diluting & Demulcent drinks, these are absolutely ne=cessary they sheath the intestines from acrimony & supply the place of mucous which is abraded from the bowels. —

7th Opiates these will be often required

8 Blisters. there is a remarkable connection between the skin & intestines. Blistering has very good effects they set up a new action which is stronger than the one in the bowels. —

9 Bark. In an advanced period of this disease & par=ticularly if there be intermissions. Bark is a valuable & powerful medicine

3°

3ᵈ Diarrhoa - very often follows Dysentery & it yeilds to

1 Gentle purges of Rhubarb

2 Vomits of Ipecachuannah

3 Bloodletting moderately in plethoric Habits.

4 Demulcent drinks

5 Astringents as Opium, Kino, Allum &c

6 Glysters both of an Astringent & Demulcent Nature

The following is a valuable injection for the Diarrhoa, viz-

℞ Pulv Ipecac 3fs L. Laud: Aq: Font: 3ft Haustus —

7 Blisters to the Arms Ankles &c - repeat them —

8 Salivation has succeeded in many cases, where every thing else has failed

9 Warm & Cold Baths are powerful.

10 Change of air & Water

11 Exercise

12 Diet & drinks accomodated to the System.

13 Loaf sugar mixed in Brandy

4th Cholic. The cauces are such as affect the intestines primarily 2ᵈ It is produced by diseases of contiguous as in the Liver Kidneys

=neys &c 3ly It is a disease of the whole system. When it is a symp=
=tom of general disease it is to be treated accordingly as by=

1 Bloodletting

2 Purges of the most lenient kind

3 Emollient & Astringent injections

4 Blisters

5 Salivation

6 Warm Bath after depletion is excellent.

7 Opium after inflammation is subdued.—

As debility is the predisposing cause of Cholic this debility may be prevented or removed by stimuli suited to the state of the system & an attack of the disease will be effectually prevented 1th When the small=
=est notice is given of the return of the disease give a little Laud: from X to XX drops 2d, The diet should be calculated to give tone to the system in general & the intestines in particular. It should always be solid. 3 Blisters & Chalybeate medicines should be administered in the intervals. 4th All causes should be avoided particularly wet & cold feet.—

Lecture—

Pulmonary states of Fever are, Pneumonia Vera- Pneumonia Notha- Pneumonia Catarrhalis. Catarrh- Influenza- and Pneumonia Biliosa-

Lecture 14th Feb 7th 16th

2d Pneumonic State of Fever. It never occurs without Fever 'tis nothing more than a symptom of an original Fever The lungs are affected only in consequence of their being a part of the surface of the body. It includes an inflammation of lungs & pleura. 'Tis proved by an alteration of heat & cold, by the contagions of small pox, measles, Influenza &c Miasmata will also produce it. 'Tis sometimes a symptom of Gout- tis produced sometimes from wounds & injuries in the lungs. A decayed tooth according to Dr Fabre has produced it Debility is the inviting or predisposing cause. Pneumony is distinguished by particular names from certain circumstances - 1 Pneumonia Vera - with a Cynanche Fever 2c Pneumonia Notha - it occurs in the southern states. Pulse is small & soft. It is what I have called an Apoplexy of the Lungs 3c Pneumonia Typhoides - this is what I have called the anginose state of Pneumony. It is attended frequently with petechio It prevails in Northern climates 4 Pneumonicula. It is a Consumption but is nothing more than chronic pneumony the

In addition to the symptoms of Pneumonia Vera given by Dr Cullen & Dr Rush mention the following - Pain in the Shoulders & Back - An absence of Cough & sometimes of pain from the Lungs being reduced below the point of reaction and of sensibility -

Much adhesion between the Lungs & Pleura, are indicated Blisters should be applied to the Back, in Inflammation of the Lungs - because there they act by continued sympathy, the Lungs growing from the back -

Pregnant women require more bleeding in a Pleurisy, than other persons -

In the Pneumonia Biliosa, more copious Bleeding is necessary than in Pneumonia Vera, because in the former Inflammation occupies two systems at the same time - The Lungs and Bowels -

The symptoms as Tubercles &c are all the effects of a general dis-
=ease. Tis important Gent: to take it in this light for if taken in
time it is fully in the power of the Physician as any other disease.
1 Pneumonia Vera. This disease frequently terminates in ef-
=fusion in the lungs. When this takes place in a great degree it ends
in what is called a Galloping Consumption.

Cure 1 Bloodletting. Prejudices here Gent: will not operate
against you; as a pain in the side or breast is naturally associ-
=ated with the Lancet. I have always exulted to hear my patients
complain of a pain in this disease. It has never failed to assure
me of his entire submission to Bloodletting. The length to which
bleeding should be carried is to be determined by the judgment
of the physician. There is a Bilious pleurisy described by Dr Chal-
=mers of Charleston S Carolina which he was almost universally
succesful in, by treating it with purging & sweating. I have sel-
=dom seen more than one bleeding necessary in this Bilious pleu-
=risy. The lancet is the best expectorant in this disease, it ne-
=ver fails to render the cough much more easy. Physicians have
in

Purges seldom do good and are often injurious in dis
eases of the lungs - There is very little sympathy be
tween the bowels & lungs —

in common forbid bleeding after the 5th day. Tis altogether a mis-
-taken nation. I have bled my patients for the first time on the
5th 6th 7th & even 8th days & thereby saved them. Unhappy for man-
-kind a contrariety of opinion exists as to the quantity to be drawn.
The pulse in the Pneumonia Vera will direct us. It sometimes
suddenly passes off & is translated to the brain. You must follow
the translation with your lancet Bleed on. I lately attended a
patient labouring under pneumonia vera. I bled him several
times & he became maniacal suddenly from a translation of
the excitement to the brain. I bled him again & he became apo-
-plectic I bled him again, which was the twelfth time his apo-
-plexy left him & he had again all the symptoms of his pneu-
-mony - he perfectly recovered in a short time. Pneumonia is
sometimes translated to the joints producing all the symptoms
of Rheumatism.

2° Purges - As Bil & Calomel &c

3 Glysters; if bilious symptoms attend the bowels
should be opened several times a day.

4 Neutral Salts as Nitre from ℈ss to ℈j should be given every two or three hours

5 Seneka this is a valuable medicine. It seems to produce sweating without stimulating but very little. I have called it a vegetable antimony

6 Blisters they should be applied to some part of the breast after bleeding.

7 Demulcent drinks Barley water, Flax seed tea Bran tea - which is made by boiling Bran & sweetening the decoction &c

8 Vapour of boiling water when there is oppression & difficult respiration. Volatile alkali ℈ss ij or Mustard whey answers the purpose

9 Oil this is a good demulcent & lubricating medicine in pneumony

2d Pneumonia Notha. This appears chiefly in debilitated habits. It depends on a sudden effusion of blood into the lungs there is sometimes a little inflammation in the lungs. There is seldom a chilly fit. There is no heat on the skin. Pulse is nearly

nearly natural rather softer than usual

Cure 1 Bloodletting. It must be used copiously & at one time. There is no other remedy & death without it is as sudden & as certain as from a Cannon Ball. The cure is as sudden as the attack. You are directed to bleed from the distressing Dyspepsia noa: &c that attend.

2° Vomito

3 Blisters to the Breast arms & legs

4 Volatile Alkali is here very useful

5 Hot vapour is highly proper it must be used

6 Opium after bleeding.

3 Pneumonia Typhoides. or Malignant pneumony. It runs its course so suddenly as seldom to require more than one bleeding Cure 1 Bloodletting

2 Bark & Wine should now be given freely

4 Pneumonicula or Consumption. Tis most frequently a pneumonia vera. It certainly yeilds to small & frequent bleedings. I will without saying any thing more refer you to my Med: Inq: Volume 2d — Lecture

Lecture 15th Feby 19th

Pneumonicula like all other general diseases depends on predisposing debility. The forming state of Consumption may be known by unusual langour, warm hands Rheumy eyes in the morning. Pain in the breast or sides &c &c They universally occur. I speak here of Consumption without a disease having produced it as Pleurisy &c

Cure 1 Exercise

2 Cold Bath

3 Bark & Steel

4 Salted Meats these contain less oxygene & make less blood consequently they are less stimulating.

5 Mercury may be necessary

6 Bloodletting may sometimes be required tho' rarely

7 All causes which induce debility should be avoided

Consumption sometimes comes on after neglected pneumony or Catarrh vid Vol: 2d. I will only add that in the Typhus state I have lately prescribed the cold bath with very great advantage.

In

In the inflammatory stage Bleeding should be employed fre=
=quently in small quantities & for a length of time.—
The Consequences of Consumption are 1 Homoptysis
which I shall hereafter take notice of 2° Abscesses 3 Ulcers 4
Tubercles. The remedies for the last should be Bloodletting or To=
=nics according to the state of the pulse. And by treating patients
in this manner, I am certain I have seen cases when Tubercles
were formed cured. I have seen in one instance Tubercles spit=
=ten up. The Lungs are a hardy Viscus. Death must be strong=
=ly armed & the physician weakly so if a patient die speedily
from such affections.

What would the effect of Mercury be in this Typhus state. I
know not. I have frequently tried to salivate my patients, but ne=
=ver could do it. Also in the inflammatory kind mercury might
be serviceable by creating a new disease. Abscesses. Ulcers, Tu=
=bercles have all been said to be the cause of this disease. it
would be equally as wise to attribute the Yellow Fever to the black
vomiting. Wounds or injuries done even to the very substance of the

the Lungs do not kill because there is no general debility in these cases. Catarh may also be considered as a pulmonary state of fever. You are to examine the pulse & adapt your medicines accordingly. they are the same as directed above —

Angina Pectoris may also be reckoned a pulmonary affection. It is sometimes a symptomatic affection of Gout Consumption &c — The Cure as before. ——

3° Anginosa State of Fever. This includes 1 Cynanche Tonsillaris from cold. The Tonsils sometimes suppurate.

Cure 1 Bloodletting
2 Purging
3 Blisters to the throat
4 Fumigations as the Vapour of Hot Water.
5 Low diet

2° Cynanche Maligna Tis not as has been supposed highly putrid 'tis on the contrary highly inflammatory. It is rapid in its progress as gangrenous symptoms appear on the se-cond or third day. It may be compared to a soap bubble which soon

soon bursts and destroys itself. All its symptoms concur to prove it an inflammatory disease

Cure 1 Bloodletting. I have used the Lancet with great success before the gangrenous symptoms appeared; but after I believe it would be dangerous to bleed. I would advise

2 Bark. It acts here by overcoming the indirect debility. It may be asked then why does it not overcome the gangrenous state of the Yellow Fever. The reason is because the action of the Y: Fever is more powerful & it falls on the more vital parts when the pulse will not bear bleeding

3 Vomits should be administered.

4 Mercury should by no means be neglected.

3 Scarlatina It has been is supposed to depend on the same contagion as Cynanche Maligna - Tis a matter of no consequence whether or not as to the cure, for you are to be regulated by the Pulse.

Cure 1 Bloodletting

2 Vomiting is very useful the patient should be puked

two

two or three times a day according to wethering For there is here as in Cynanche Maligna, a preternatural secretion & excretion of bile. –

3 Fumigations – these should be such as stimulate as the vapours of Myrrh or Vinegar

4 Mercury must be attended to

4 Cynanche Trachealis. This may occur as well from con=tagion as other causes it occurs sometimes in small pox & I saw a true Cynanche Trachealis produced in Dr Foulke from a tran=slation of rheumatism. Its chief cause is cold. It most fre=quently affects young children tho' I have seen it in old people. There is certainly an inflammation of the Trachea Dr. Frank who has written on this disease, has called it the "Trachites" It may be called a pneumony of the Trachea. I once supposed the ef=fused fluid to be mucous; but I have lately been taught to be=lieve it to be Coagulable Lymph, similar to what is effused from any other inflamed surface. It does not militate against the in=flammatary nature of this disease if there be no inflammation seen on dissection. Pus has been found in the Trachea on dis=

section

Arthritic State of Fever. In this are included Gout and Rheumatism.

=section after this disease. Fcim membranes have been spit=
=ten up in this disease tis sometimes absorbed. Mercury will
sometimes produce an absorption of it. A Gent from Virginia
who had lately had a pleurisy, was affected after it with all the
symptoms of strongly marked Cynanche Trachealis. I perfectly
cured him by speedily touching his mouth with mercury.

Cure 1 Bloodletting. I always use this remedy. I once bled a
child three times in one day while Labouring under this com=
=plaint & thereby saved his life

2d Vomits. they should be given several times a day

3 Mercury

4 Purges

5 Blisters

In the spasmodic species of Cynanche Trachealis the Warm
bath, Mercury & Cataplasms should be attended to

Lecture 16th Feb. 20th

4 Rheumatic State of Fever. This divides it=
=self

=self into Acute & Chronic / Acute Rheumatism arises from the alternate action of Heat & Cold. It most frequently affects soldiers from their active occupation - it affects the Tendons & Muscles - it is no=thing different from the Gout only the latter frequently falls on the Viscera. Rheumatism is to Gout what the Break bone Fever is to Yellow Fever. It is a more centrifugal disease-

Cure 1 Bloodletting - particularly cupping as there is a particular Local determination. Bloodletting should be used in pro=portion to the inflammation

2 Purging

3 Sweating. This often relieves Rheumatism as it is an external Fever. To excite sweating Heat of bed clothes &c is the best mode. Dovers powders after bleeding is a good medicine Se=neka snake root is also a good mode of Sweating.

4 Low diet

5 Cold. It is sometimes useful as when you wish to destroy the action of the disease without sweating this may be effected by cold air, the application of Ice or cold water. Analy=

sis

=sis would also lead us to believe it very useful for Sounderung in Horses 'tis in every respect an inflammatory rheumatism 'tis cured by standing a considerable time in cold water.

6 Frictions. The woman in Otahite cured Capt Cook of a Rheumatism by rubbing his joints for some time. It acts by bringing on an action greater than the disease. This is a true Animal Magnetism

7 Blisters to the affected part after a small bleed=ing. If they be objected to the application of Cabbage leaves should be resorted to they promote a small discharge. In promoting a dis=charge here we anticipate Nature who always relieves herself by an effusion. ℞ Molasses & Mercurial Ointment rubbed on the part I have found of essential service. The sooner a person uses Exercises his Limbs the better.

2° *Rheumaticula* - or chronic rheumatism with inflam=mation. It is to acute Rheumatism what Consumption is to pneu=monia Vera

Cure. The remedies are the same as in acute Rheumatism

Attend

8

attend to the pulse & you will have to bleed frequently & thereby prepare the way for stimuli.

1 Volatile Tr of G Guiac

2 Warm Bath

3 Cold Bath

4 Frictions

5 Electricity

6 Change of Climate

7 Salivation. Beware of Stimulating before you have sufficiently reduced the pulse. A swelling in the lower extremities I have found to be a symptom of Rheumatism. No pain attends. There is an engorgement of the vessels. Bleed in such cases & you will excite pain & with it the symptoms of acute Rheumatism

5 Arthritic State of Fever. Gout is a disease of the whole system it is a primary disease of the solids only. Chalk stones abscesses &c prove it to be so. It is produced by a general predisposing debility. It affects those most frequently of a sang-

-uineous

-gueneous temperament. It attacks most generally in the spring & fall when the changes of weather are most favourable to diseases. It is a hereditary disease but it does not depend upon a transmissi-on of morbific matter from parents to their children but on a pre-disposition that is transmitted. It sometimes passes by children & affects Grand children. It affects females as well as males. Males are subject to it in a greater degree as is generally thought perhaps it would be more proper to say it affects both alike & that it ap-pears in females in the form of Hysteria &c. It appears after pu-berty. I have seen it in a Gent: after he was 80 years old & in a child of only 6 years old. The most active minds are most subject to it. The poor people have it as well as the wealthy.

Remote Causes are 1° Passions of the mind 2° Ardent or Fer-mented liquors 3° High Living. Spirits are actually necessary to in-duce Gout which shall affect the Muscles & Ligaments. The acid wi-nes are most apt to induce it. Spirits more apt than this again. These all induce a debility

Exciting Causes are such as induce direct or indirect debility &

& I Indirect as 1 Fatigue 2 Nightwatching 3 Joy 4 Terror 5th Strains 6 Fever 7 Hearty meals 8 Fits of drunkenness 9 Anger

II Direct as 1 Inanition from fasting 2 Purging 3 Cold 4 Fear 5 Last stage of Fever 6 Excess in Venery 7 Grief. Gout affects the feet because they are more distant from the vital energies. It attacks in the night when there is most direct debility. Symptoms of Gout are as it affects 1 Ligaments in producing pain, swelling, & inflammation You will here see its analogy to rheumatism. Their proximate cause is the same. They differ only in their remote causes. Gout sometimes affects the Hip joint, Eye Brows, Jaws &c. Gout differs from rheumatism in affecting the system with a more general debility. Rheumatism like gout produces chalk stones & a dislocation of Bones. the Gout is Centripetal while the Rheumatism is Centrifugal 2d In the Arterial System it is discovered in the pulse Gout more frequently affects the joints in the Spring & fall. Bark is poison in this disease where it affects the Arteries. Gout sometimes appears in the form of an intermittent & sometimes in the form of a true Hectic Fever. Sometimes it appears in the full

full & change of the moon.

3d In the Nervous & Arterial systems jointly, producing Vertigo, Apoplexy. Palsy Hysteria &c

4th In the Muscles producing pain & spasmodic affections. There is a sudden shooting pain which sometimes passes through different parts in Gouty persons & is gone in an instant. It affects like the Electric spark. I have called it the Aura Arthritica. Gout some=times affects the muscles of the legs &c—

5 In Tendons producing violence, rending & tearing them to pieces

6 In Cartilages. I have seen it affect the Cartilages of the Ears with soreness & pain.

7 In different Viscera. In the Brain producing apoplexy &c In the Lungs producing Pneumony Consumption, Asthma, An=gina Pectoris & a little short cough in the Throat, Angina &c— In the Kidneys producing Inflammation Diabetes, Calculi & Stranguary from an engorgement of the Bloodvessels. In the Bow=els producing inflammation Dyspepsia Cholic Hemorrhoides, Dysentery & Diarrhoea called in Virginia the downward con=

sumption

=sumption The liver suffers much with Gout producing an in=
=creased flow of bile calculi &c. These last symptoms appear most
frequently in females & in southern Climates. On the stomach it
produces Diarrea. Vomiting of black matter &c

9 In Glandular & Lymphatic systems producing Salivation, Buboes
swelled Breasts, each of which I have seen producing scrophula
swellings of the lower extremities & Dropsy. I have seen it produce
a flow of mucous from the Urethra or Catarrh & pains in the parts
of generation. Priapism is sometimes a symptom.

9 In the Bones twisting & dislocating them, probably from the For=
=mation of Chalkstones. I once saw an instance where the teeth
were rooted from their sockets.

10 In the Skin producing petichio Ulcers Mortification, Eruptions
on the face & Erysipelas. The Bloodvessels Nerves Lymphatics
&c are affected accordingly as the patient is of the sanguineous or
nervous temperament. Chalkstones are formed in the Eyelids,
Ears & I have seen them discharged from the lungs &c
These effusions most frequently take place in the Kidneys. They

are

are take notice Gent: always preceded by inflammation. Effusion of blood & Serum often take place. Gout is the same whether it affect the brain Bowels Lungs Joints &c 'tis still the same dis=-ease. I have said there are no half truths in government. 'tis equally true that there are no half truths in Medicine. Tis the same let its causes be what they may 'tis a malignant fever of the Chronic kind. 'tis a malignant Fever what Pneumonicula is to Pneumony. You will readily see the absurdity of Dr Cullens different kinds of Gout.

The Gout is a Monarch which invades every part of the body. The whole system crouches before it. 'Tis unlimited in its empire.

Lecture 17th. Feb.y 23d.

Cure. Be not startled Gent when I talk of curing the Gout. For it is curable as much so as an Intermittent Fever. I have cured it often & I hope I shall teach you the same. Let not su=-perstition say here that we bring upon our heads the vengance of Heaven in attempting to cure it For Heaven has not taken

that

that method of punishing Intemperance. for Lues Venerea which is far more sinful, she has kindly interposed & sent us a sovereign remedy

It is not more necessary in the cure of the Gout. to induce a fit of it in the feet; than to bring on an abscess to cure an inflam=mation. In curing the Gout we are naturally led to consider

1st The Method of preventing an attack. The premonitory symp=toms are Langour &c nearly similar to those of fever in general & may be easily removed by pediluvium, Vine. Whey &c but these remedies will be altogether improper after the formation of the Attack. These symptoms all disappear when the Gout at=tacks the extremities.

2° The method of curing when the fit has taken place & there exists violent action is 1 Bloodletting

2 Purging

3 Vomiting

4 Nitre

5 Abstinence

Startle not Gent: when I mention Bloodletting as a cure for the Gout I have bled often & with the best effects. I am not singular in my practice Dr Sydenham & Dr Luster bled in this disease before I did. Bleeding has travelled up Hill in Severs as well as in Gout for many years. It has been condemned by Dr Cullen as highly improper in all contagious diseases. Experience however has proved the inflammation which exists in all those diseases & the real utility of Bloodletting. Is not debility the predisposing cause of this disease & will not Bleeding increase the debility. By no means. all other in=flammatory diseases are preceded by debility & yet how useful how absolutely necessary do we find Bleeding. But will not Bloodletting dispose to a return of the Gout. It will not any more than Bleeding in Pleurisy will dispose to future attacks. Bleeding is more loudly called for in Gout than in pleurisy, for it falls with violence on more vital parts. It is more frequently, I believe the cause of Calculi when it attacks the Kidneys than is generally suspected. Banish then Gent all your former prejudices on Gout 'tis not a sacred disease

disease & there is no sin in handling it thus freely. I have long been in the habit of ranking it among the most simple and curable diseases & it certainly is so. There is no disease that predominates over human reason more than this. Gout has been supposed to be only inflammatory when it attacks the extremeties & that when it attacks the Viscera it is Atonic Gout. Tis no such thing. Physicians stimulate when the Gout attacks the Viscera to drive it to the feet. this is by no means necessary — Bloodletting will do the same, the pulse will always inform you what you have to do. You will frequently discover the depressed pulse, so much so as in malignant fever Bleed & you will raise it. Every circumstance which can justify Bloodletting in the Yellow Fever when it attacks the Viscera will equally justify it here. The wandering or misplaced Gout is frequently carried to the feet by one single bleeding. I have bled to remove the hectic fever which sometimes attends Gout to prevent its recurrence & with the best effects Remember Gent: it is proper to bleed in Gout let it attack whatever part it may. For it is still

the

the same inflammatory disease. The good effects of Bloodletting here are 1st It removes pain 2d It prevents effusion 3d It removes a paroxysm. There will be a time I hope, when it will be as disgraceful to let these effusions take place in Gout as it is now to let a Malignant fever turn to what is called a "Putrid" one. The next remedy mentioned is purging. Sulphur is gen=erally preferred for this purpose it is supposed to have a specific action. Other laxatives however I can conceive will answer equally as well

3d Vomits. They are useful where there is only a moderate action Dr May says they are serviceable by removing an acid from the Stomach. They act by taking down inflammation & diffusing it equally thro' every part of the system. They should not be used when there is a local determination to the Head or Stomach.—

4 Nitre should always be given where the Stomach is af=

fected 5 Cold air. The limb should be kept out of the bed

-clothes. Cold water may be sometimes applied. Flannels should be avoided. Remember I recommend cold air & water only when

violent

violent action exists nothing can be more rational

6 Diluting liquors so as to bring on a moderate Diaphoresis

7 Abstinence from Wines. Spirits Hearty meals &c.

8 Blisters. They are valuable. They are like and as effec-
-tual as the Caustic or Knife to those Tumours called Note melanquere
which from neglect become incurable cancers. They should be applied
to or near the effected part. The late Dr Chalmers first informed me
of their good effect. They never do harm, they always as certainly af-
-ford relief as they do in a pleurisy.

Is sweating proper in Gout? No where bloodletting could be used.

Is Opium proper during a fit of the Gout? No it is not except af-
-ter the use of the lancet. Are any other local applications except blis-
-ters serviceable? When Blisters are objected to I have applied cab-
-bage leaves & molasses with Advantage. Stimulating Liniments
should be avoided.

9 Caustics may be used when there is violent morbid
action. Method to be pursued in Attack of what is
called Atonic Gout. This state of Gout is the consequence of too
little

little bleeding or neglect of the inflammatory Gout. The Atonic Gout however like Typhus frequently comes on with the symptoms of debility. It follows the wearing down of the Tonic Gout. But attend to the pulse; when it is languid & weak Stimulants should be used

Cure 1 Opium first in small doses & then increased gradu=ally

2 Wines unless an Acid prevails. Then

3 Porter is preferable. If this fails.

4 Ardent Spirits. first given diluted & Dr Warner recommends the following Receipt & it is very well adapted.

℥ X Raisins Cuised ℥fs

Senna ——— ℥ij

Corianber & Fennel seeds ana ℥1

Rhubarb - - - - ℥1 Infus Spts Gallic ℔iij

Ether is very good when you wish an immediate ac=tion

℥ Volatile Alkali from 5 to 10 grs

℞ Oil of Amber it is of great service when spasms or convulsions appear.

9

9 Opium Glysters when the Bowels or Stomach are affec-
ted 10 Frictions with Volatile Liniment to the Abdomen &c.
11 Blisters
12 Cataplasms to the feet on the upper part
13 Warm Bath & last of all
14 a Salivation

Means for preventing an attack of Inflammatory Gout

It occurs most frequently in the sanguineous temperament & under the 45th year of age. Remember I do not believe that the seeds of the Gout exist in the body after an attack any more than the seeds of a pleurisy exist after an attack of it. There exists nothing more than a predisposition to the remote & exciting causes.

1st Temperance in a total abstinence from spirits wine & animal food. attention to this has certainly eradicated it from the system. 2 Where it occurs seldom. a meal of fish may now & then be allowed. He may be indulged in the 2d White meats & a little wine & water 2d Moderate Exercise. It acts by giving tone to the system. It should be moderate otherwise it will dispose

to

to an attack. Agriculture & Walking are preferable when used moderately. Riding is not good, because its action is partial, as it does not act on the lower extremeties.

3ly Gentle steady warm bath should be attended to. Woollen or Cotten should be worn next the skin. Cold particularly combined with moisture should be avoided.

4th Moderate exercise of the passions & understanding. Political controversies should be particularly avoided. The understanding should be engaged in pleasing subjects. Patients should avoid the midnight lamp by going to bed early.

5 Venereal appetite may be moderately indulged.

6 Costiveness should be removed by powdered Brimstone 'tis preferable to other laxatives, as it has likewise an action on the skin. A man who is subject to Gout should treat his body as if it was made of glass. There appears Gent: something like devil worship in preventing the Gout among Physicians. None think it a folly to prevent other diseases but all bow before the Gout 7 Issues are sometimes serviceable. Are Bitters proper in preventing an attack of the inflammatory gout. No - The

Duke

Duke of Portlands powder destroyed nearly all who took it.—

Means of Preventing Atonic Gout. are

1 Generous diet

2 Sound old Wines

3 Frequent Meals

4 Salted Food

5 Chalybeates

6 Bitters in Moderate Quantities

7 Volatile Tinct: of Gum Guiac:

8 Garlic

9 Warmth applied generally

10 Warm Bath Sometimes

11 Cold Bath

12 Exercise in journies best

13 Frictions

14 Laxatives. Sulphur should not be used. Rhubarb with orange peel infused in wine, is well calculated for this purpose

15 Passions & Understanding should be moderately exercised. Skill in Physic depends on the mode of properly timing

remedies

remedies for there is a time to bleed & a time not to bleed. there is a time to stimulate & a time to purge; a time to vomit &c.

Lecture 18th Feb? 26th.

Of Maniacal state of Fever: I enter on this subject Gent with uncommon pleasure for I hope to make its proximate cause the same & its nature ~~the same~~ as simple as any other state of fever. I was once led to believe its seat to be in the mind & considered it as a Nolime tangere. Dr Cullen taught me to place its seat in the Nerves but from my very bad success in treating it I was obliged to abandon it; & now consider it as entirely seated in the bloodvessels. It is percisely similar to the most common inflammation. Those patients who labour under this disease you will always find by enquiry first complain of a pain in their foreheads. There is a quick, full, frequent or tense pulse in madness. I scarcely ever met with an exception to this. Wakefulness is a sign of fever this we know takes place in Madness. The white tongue which occurs in inflammatory fevers, occurs here. Blood drawn shews high inflammatory action,

sometimes

sometimes sizy but more frequently puts on signs of higher inflammation.

I infer it to be seated in the bloodvessels from its causes. It occurs at those seasons & times of life when other fevers are most common. It occurs in the brute creation & they can be supposed to have but little mind. The cure is the same as in other fevers. I infer it also from its alternation with other diseases of an inflammatory nature as Rheumatism Consumption Peripneral fever &c. also from the same states of pulse occurring here as in other fevers. I infer it to be seated in the bloodvessels also from a temporary suspension of it by compression of the Carotids also from no marks of inflammation being discovered on Dissections when it has been cured by translation. From remissions taking place as in other fevers. From terminations similar to those of other inflammations - as Rigidity Effusions of water &c being found after death. That there are cases after death which on Dissection shew no marks of inflammation, we will readily admit; because we know morbid action is often so violent

Delirium is distinguished from Mania by the following circumstances- Diseased perception. mistaking one person for another &c Incoherent conversation- Fewer more obvious and diffused. Persons seldom remember what they have said- Patients have lucid intervals- They are deranged on all subjects—

violent as to go Beyond inflammation. It appears therefore that Mania is a true inflammation of the Brain' tis in fact a chronic phrenitis. It is to phrenitis what pneumonia is to Pneumonicula - diseased liver with its morbid secretion frequently found in this disease. Hence the ancients absurdly supposed it to be the seat of the disease - 'tis owing to the action of a general fever. I conclude then that there can be no Mania without an inflammation of the Brain.

I consider Derangement as a departure from the natural order of things. Mistaken perception is the highest grade of this disease. False judgment with a just perception is a lower degree. There is a derangement of Will, Memory &c. Derangement is sometimes likewise seated in the Moral Faculties & in the Passions all the different grades depend on morbid action in the Brain. There is in some cases an abstraction of all these Faculties called Fatuity or Idiotism. You will now Gent: see how necessary it was to treat professedly on the Faculties of the mind in our Physiological Lectures.

Remote

Remote Causes are such as act by inducing 1 Direct debility in the Blood vessels of the brain 2 Indirect are such as induce debility thro' the medium of the Brain & Nerves Intense thought often induces derangement in the under=standing as Theological, Metaphysical, Arithmetical &c Love Grief. Gaming Debt. Losses, Intemperance & numberless other causes concur in producing this disease. In the time of Revo=lutions diseases of the Brain are much more frequent. Apo=plexy once was epidemic in Rome from this cause. The tur=bulent state of France, for these ten years has produced many instances of this disease. In the times of Speculations this disease frequently takes place. In the Eastern Countries this Complaint is scarcely known but Fatuity is very frequent. The mind here dies as it were from the abstraction of Stimuli. Mania most frequently takes place in Sanguineous Tem=peraments. It seldom occurs under puberty. Here the pre=dominance of Irritability over Sensibility protects such from the disease. Old people are unapt to have it. Between the

20th & 45th year it most frequently occurs - this shews its near connexion with the Bloodvessels. The Moon has a particular influence on this disease hence the term Lunacy. The different states of derangement which induce Mania appear in the Form of -

1 Hypochondriasis. This is produced from repelled emptions, retained Menses &c. The first symptoms generally appear in the Stomach, producing Heartburn Dyspepsia &c. In the Bowels producing Cholic. Flatulency Diarrhoa &c. From hence it after sometime travels 3d to the Brain producing moderate vibrations & the patient considers himself as dying or even dead & a thousand other inconsistencies.

Lecture 19th Feby 27th

2 Hysteria resembles Hypochondriasis in almost every respect. It differs from it in degree. Hypochondriasis being the most violent state. The treatment also differs Dyspepsia seems to be the state which connects the two diseases together.

Cure

Cure. Hypochondriasis is cured by such remedies as act 1 directly on the Body as 1 Warm Bath

2 Warm Drinks as Coffee & Tea which appears to be very proper as the first symptom of the disease is frequently a coldness at the Stomach.

3 Opium. This divine Medicine is the principal consolation to Hypochondrical patients hence called Medicina Mentis

4 Ardent Spirits

5 Music of the Cheerful Kind

6 Salivation should by all means be used after other attempts have failed it translates morbid excitement from the Stomach, bowels & head so often the seats of this disease to the mouth

7 Exercise

8 Restoration of Eruptions. if the disease be connected with their repulsion.

9 Cold Bath after some degree of excitement has been restored to the system by the previous use of the warm bath. Is Bloodletting ever necessary or proper in this disease I answer not often but when it is you can easily distinguish by the

the pulse. Dyspepsia which is so often a troublesome symp=tom in this disease, should never be neglected - you should remedy it by the use of Magnesia Bitters alkaline Salts Animal diet &c but of this I shall be more particular in another place.

2° Those which act directly on the body thro' the medium of the mind. The patient fancies himself labouring under every disease in the Nosology. He entertains a false judgment in his Physician. Hence he runs the whole round of Physicians in his neighbourhood; still putting unlimited confidence in the last. He will sometimes fancy himself dead or transformed into Dogs Cats &c. Hysteria is the mildest diseased state of the mind. It however always leads to Hypochondriasis. Hence this resorts to a Knife, a Halter River &c. Considering the dreadful nature of this complaint we should by no means treat our patients dis=eases as imaginary but real / The Physician should always be grave in his presence & listen to him attentively, while rela=ting his various symptoms. You should beware of treating his complaint lightly or dropping a word to that effect among

among his friends or acquaintances

2ly Amusements of every kind which will engage without fatiguing the body or mind should be carefully attended to. Man was made to be active

3ly The sudden excitement of some of the active passions. There is an instance of a Man who labouring under this disease fancied himself dead & was shrouded. He gave directions that the bell should toll his departed soul. The Bellman knowing his situ=ation, instead of giving it the usual solemn tone, gave it quick lively strokes. The sick man quite enraged, jumped up; tore off his shroud, ran out, kicked the bellman down stairs & gravely tolled his own departure. The passion of anger here excited perfectly cured the patient 4th If debt be the cause we may be sure he is an innocent & honest man; for no dishonest man ever yet became Hypochondriacal or troubled from contracting debt. We should there=fore in these cases advise them to avail themselves of the laws of their country. I have from this mean I am certain seen many miserable persons perfectly restored & rendered useful & valuable citizens 5 If it is from Love advise absence or Binam Ami=

=cam

cam i.e. a second mistress 6th If from grief advise a conversation with a pious Clergyman 7th The production of a new association of Ideas change your patients room, his dress his company &c 8th Matrimony when practicable should be resorted to. The Substantial pursuits of this state of life prevent the action of the exciting causes 9th Journies to warmer Climates they destroy the old morbid associations of Ideas, by presenting new objects &c. A new companion should accompany him 10th Direct your patients when solitary not to be idle et vice versa.

2 Melancholy. as Insania partialis. I define it to be a false perception of things, or a false judgment of the relation of things that are true. There are various kinds of less degrees of Mania as the Democratic Mania. the Aristocratic Mania. the Monarchical Mania the Hunting Mania, the virtuoso Mania the Love Mania the ecclesiastical Mania the Arithmetical Mania &c. Distress seems to be the connecting symptom between Melancholy and Madness. This grade is very common. The Alchimists the Enthusiasts in religion &c have all afforded instances of it Dyspeptic symptoms have the patient here.

Lecture

Mania. The proximate cause of Mania is morbid
action in the Blood vessels of the Brain – It is an He
reditary disease – More common in Women than in
men from the following causes. The influence of Men
struation – Parturition – and Giving suck on their
system – Occurs most frequently between the 20th and
50th year of age – Seldom occurs in childrens because
from the predominance of irritability at that time
of life mental causes make but a transient im
pression – for the same reason it does not often hap
pen in old people – in these last also the Blood
vessels from having lost their vibratility are
little disposed to take on morbid inflam-ma
tory action –

10

Lecture 20th Feby 28th

The predisposing cause of madness is debility which is either direct or indirect; this debility invites to violent morbid action. The acute inflammatory madness I will call the tonic madness; The one with out moderate action the Atonic Madness. The premonitory symptoms of Tonic Madness are watchfulness insta=bility in every pursuit. Irascibility Costiveness &c The precursors of Atonic Madness are the different symptoms of Hypochondriasis, Chillines steady in his different pursuits &c &c. These two states are different only in degree. To remove the premonitory symp=toms of Madness the patient should be removed from his pur=suits; he should be reduced by purging &c The Atonic mad=ness may be prevented by exciting pleasant emotions new objects new society, exercise journeys, stimulating drinks and diet &c should all be used.

Symptoms of Tonic Madness - are fierceness. Irascibility unusual appetite, a full, tense, & sometimes a quick pulse. Insensibility to cold & different medicines. Costiveness. They rent their clothes

and

& wound their bodies. Tis possible they wound their bodies to ex=
=cite pain & thereby relieve these mental sufferings. They fly
from their friends and society. Shakespear gives us the best de=
=scription of both states of Mania, in his Tragedy of King Lear &c
These symptoms most frequently terminate in Atonic Mania; how=
=ever altho' I have Mania a tronic phrenitis, yet there are & I
have seen several cases where it ended in death in a few days from
disorganization as in other cases of inflammation. Symptoms of
Atonic Madness are great taciturnity, down cast eyes, a Languid,
slow or quick weak pulse. Obstruction of all the secretions, dry
skin &c. These are symptoms which occur during confinement;
but when at liberty they society &c. The Atonic madness frequently
affects all the faculties of the mind but more frequently it affects
the understanding, sometimes the moral faculties while at other ti=
=mes they were unimpaired. Atonic Mania when moderate will
continue for 20 or 30 years ending in complete fatuity, some=
=times in Epilepsy. They posses an equanimity of temper.

Cure of Tonic Mania. The patient should be

removed

removed from his friends into a place of confinement & if much enraged the mad shirt should be resorted to. Great de-
=licacy should be attended to in conversation, as well as in eve-
=ry other respect 2ª Bloodletting is a speedy remedy. It soon produces composure: it must be repeated as long as there is any morbid action in the pulse From 20 to 200 ℥ of blood may be advantagiously taken in this disease. It generally supersedes the necessity of a mad shirt: I have called bloodletting my Anodyne in Malignant fevers: it is mad shirt in Mania. Topical bleed-
=ing may be used as there is topical affection 3ª Vomits. They debilitate the whole system. To be of service they should be frequently repeated 4. Purging is highly proper it should be repeated 2 or 3 times a week 5 Blisters should always be used. Dr Willis pre-
=fers them to the wrists & ankles instead of the head & neck. Dr Parry has become famous in England for curing Mania by compressing the Carotid Arteries & Cold Water. The water must be applied untill the excitement is much reduced as by immer-
=sion. The clay cap to the head shaved as recommended by Dr. Cullen & the application of snow & ice should not be neglected

when

When the general application of water was objected to 7# A
Salivation. This not only abstracts excitement from the brain
by exciting a new action in the mouth; but it abstracts it by
depletion 8th Low diet. as Milk. Vegetables &c 9 Supplanting
or removing the ruling passions of our patients; nothing can
be done without this. I believe as much in a table of the af-
=finity's of the passions with one another as I do in Chemical
Attractions 10 Music has been recommended. If it has ever
done harm, it must have been from an ignorance how to ap=
=ply it properly. A Plaintive tone could not but be of ser=
=vice to a Tonic Maniac. 11 Darkness is sometimes necessa=
=ry 12 Solitude. the visits of friends acquaintances or strangers
should be as much avoided as possible. There are times when
even Physicians & Nurses are to go but seldom; they frequent=
=ly excite into action a new passion which cannot fail of making
him worse. 13 Patients should be opposed as little as pos=
=sible in any thing. Above all the Physician should do no=
=thing that would excite anger. He should not bleed his patient
himself nor let him hear him prescribe bloodletting

11.

14 Cleanliness should be attended to 15 Exercise in a carriage & in company 16 Cold Bath should be employed - the shower bath is the most preferable method 17 Amusements they should be used constantly & in succession. Is Opium proper in Tonic Mad=ness? No - Are any other medicines necessary? I know of but few. Hellebore & Borax have done good only when they excited pur=ging. Camphor has acquired some reputation, given in the quan=tity of ℈ℓ to ℈ℓij in the day, it is said to lessen the action of the pulse considerably. Digitalis has been of service. Dr Withering speaks of it in the highest terms. Coercion has been used with advantage by Dr Willis in the case of the present King of England. It should be used only after every other remedy has failed. It acts only in consequence of the fear it produces. The late Dr Gregory used to mention a remedy used by a farmer near aberdeen in Scotland, which was to yoke a number of Madmen together like horses & make them plough the fields. It acts only by wearing down the excitement of the system; tis a cruel remedy This disease Gent: is as much under the power of Medicine if treated properly as even a pleurisy or common Intermittent.

Lecture

Lecture 21st March 1st

The remedies for Atonic Madness are

1 Warm Bath - as there is much torpor in the system it must be used many weeks attentively. after which the cold bath may be advantageously employed

2 Wine & Ardent Spirits. When this state of Madness is brought on by intemperance these are the best remedies

3 Opium is a useful medicine. Dr Anthoney Fothergill prefers the use of Henbane in this disease on account of its not producing Costiveness.

4 Blisters & Caustics to the neck. I am disposed to think Caustic a valuable remedy they act by exciting a new action

5 I mentioned Dr Parry's having compressed the Carotids in Tonic Madness. What would be the effects of compressing the Jugular Veins in Atonic Mania. Few Maniacs die without returning to their reason. Few men die without a Fever. —

6 Passions might be excited in this state of Mania with good effects

7 Music. This should be of the cheerful kind.

8 Exercise should be used in order to ensure success in

in the form of walking riding on horseback or in a Carriage Cleanliness & Neatness should be strictly observed.

℈ Salivation has been very useful in Atonic Mania

10 Bartholine speaks of the good effect of stripes in this disease. It acts not only by irritating the skin but exciting anger. It has been said that when madness is cured it is apt to return so is pleurisy; but we do not on this account depreciate the use of the Lancet in this disease. It may be easily avoided - Constant agreable employments should by all means be procured. Dr Willis & Dr Addington in England have acquired much reputation in curing this disease they take the patients into their houses & by having them under their immediate direction, they accomodate their remedies to the states of their systems. Permit me Gent: to recommend to you similar acts of Philanthropy.—

By all means assert madness to be a curable disease by so doing the patients friends will seek assistence much more easily. In asserting Mania to be a curable I do not say it is always so for after it has continued many years we are often unable to do any thing. We should not however neglect such patients. for

for by the long continued use of Tonics I have had the pleasure to see many desperate cases of Mania removed.

I have said Moral evil was the effect of debility in the moral faculty. this has been happily remedied in the new jail of this City. Let not medical science be behind hand. ———

Prognosis 1 Madness when Hereditary has been said to be incurable - tis not so — I have cured several such cases myself 2° Madness from fevers parturition, Drunkenness or poisons rea= =dily yeild to medicine 3° Madness from Emotions is easier of cure than from passions 4 A recurrence of any ancient habit is always a favourable occurence 5 Symptoms of Hypochondri= =asis are always favourable, as madness like many other diseases goes off with the same symptoms it commences with 6 A Pain occuring in the head will give a just reason to prognosticate a favourable issue. 7 A return of habitual disease, a running or pucking at the nose, moist Skin, regular stools. the breaking out of old ulcers or forming of new abscesses in any part of the body are favourable symptoms. A Diarrhoa is sometimes fa= =vourable. An acute fever appearing after the patient has been

been for some time ill of a Mania is favourable, it excites a general action in the Bloodvessels. Intermissions or remissions of Mania are favourable. Treating friends & acquaintances with mildness & affection is always a good symptom. Diarrhoa is most commonly an unfavourable symptom. Convulsions are very unfavourable. Weakness & Defect of Memory are owing to intemperance in eating or drinking. Excess in Venery. Lesions of the Brain. Chronic fevers a translation of the Gout to the Brain. Apoplexy. Palsy. Epilepsy the inordinate use of snuff, terror, oppressing the memory with too many words. Many peoples memories are rendered worse by hearing &c imposed upon them unaccomodated to the strength of their Brains in early life. Remedies are to avoid all causes we have mentioned frequently repeating different sentiments &c Memory is assisted by calling in two or more of the senses as for instance we remember better when we both see & hear &c. Memory is much influenced by the principle of association 'tis assisted by placing ourselves in the same situation we were when we heard

or

or thought of a circumstance - tis assisted by an association of sounds - tis assisted by an association of words & letters. For a farther Knowledge of this subject Gent: I beg leave to refer you to Locke Reed & Beatie. Memory is much assisted by frequently exercising it. Memorandum Books should not be used in early life. These are the moral remedies. The Physical remedies are, if there be too much action, Depletion if there be a deficiency of action Tonics.

Lecture 22° March 2°

Fatuity or Idiotism. I define it to be a total deprivation of understanding & Memory. Its proximate cause is an entire absence of action in those parts of the brain which are the seats of the faculties. Tis sometimes congenial & when it is, it is most frequently derived from the mother. It is induced by falls intemperance, Lisions of the brain &c It is induced by old age; for it is a melancholy truth we are once men and twice children. You will perhaps smile Gent: when I talk of

curing

curing Fatuity but recollect that time has cured it by the operations of nature. Dr Hunter of York in England, relates such a case. The attack of an acute disease sometimes perfectly cures Fatuity. It awakens the mind into action. It has been cured by a Fall & Burn. These are important facts as they shew the connexion between sensation & Brain. Connected with these remedies are the medicines under the head of Tonics as Chalybeates, Bark Cold & Warm Baths &c. Are there any medicines which produce a specific action on the Brain? Strammonium has this effect & might be administered with advantage. What would be the effects of repeated fits of intoxication. Fatuity from fever is readily cured - it is generally relieved here in the course of a short time without any remedy. But should not nature remedy it, the cold Bath will speedily effect a cure. Fatuity from old age cannot be cured; but it can be prevented by constantly exercising the mind on various subjects. Fatuity is more rare in Cities than Countries as company & exercise of every kind may be had more easily. The moral faculty is much more vigorous in old age, than at any other time of life. this among others might

might be employed as an argument in favour of the differ=
=ent Faculties possessing different portions of the Brain.—

Diseases of the Moral Faculty.

For their symptoms & causes, I beg leave to refer you to 2d Vol:
Med Inq: When I delivered that oration it was treated with ri=
=dicule by the citizens & Philosophers of Philadelphia. I have
however lived to see the time of its adoption by the Legislature
of Pennsylvania in the new jail of this City where science and
reason go hand in hand.

Diseases of the Passions. The passions are most fre=
=quently affected with an excess of action sometimes however there
is a deficiency of action in this last case Tonics should be used.
Pain being excited might probably be attended with good effects.
Where there is inordinate action as in the former case they are
to be treated according to the state of the system in the following
order. 1 Love 2 Grief 3d Anger. The passions are nearly as con=
=tagious as the small pox or Measles. 1 Love. The excess of
it only, constitutes disease it discovers itself in an aptitude
to Clerk frequent sighing &c. If a woman retires to dress

Lovely

herself from the presence of a Gentleman you may be sure she loves him. It is generally a sign of love, if she is al=ways or avoids looking at him. After the formation of this passion the object beloved is never the subject of a dream — neither can the lover in the absence of his mistress bring to his recollection a single feature of her face.

Cure. Where there is much sighing restlessness and fever you should have recourse to bloodletting & Clistering Ovid advises what he calls "Cinam Amicam" for as fire expells fire pity pity, so love expells love, Ovid also advises the lover to think much of his mistress's bad qualities. If she has a voice be sure to get her to sing &c and do any thing to expose her. Avoid the company of the Lady. Take a voyage or long journey. Hope should be en=tirely destroyed. Love may also be cured by exciting a stronger passion as Ambition Resentment &c. ——

2d Grief. Our profession often gives us an opportunity of wit=nessing this passion. It is implanted for useful purposes. It sometimes produces fever, Syncope Dyspepsia, Hypochondri=asis &c Tears are the usual signs of grief; but intense

grief

grief discovers no tears; untill there be a degree of direct debility induced

Cure. The Cook called the Mourner should be resorted to. It is improper to remove the distressed persons from the houses in which death took place. The Mourners should by no means attend the Body to the grave. Opium Conversation in general, tho' by no means on light mirthful subjects.

3 ANGER is injurious only when in excess, it produces red eyes livid countenance, Slavering, Agitations of the Hands, Tremors of the Body Convulsions Hysteria, Apoplexy & Death sometimes it produces paleness, sickness at stomach vomiting of bile, Syncope, Asphyxia & Death.

Cure. Religious Conversation. Before they carry their passions any length let them say the Lords Prayer or tell 20 this will give time for reflection. Fear is an Antidote to Anger. A large draught of cold water this acts both as a sedative & by giving time for reflection. Dashing cold water on the angry persons. An irascible Diathesis may be effectually removed by a milk & Vegetable diet. Spirits & Wines should be

avoided

avoided. When anger is connected with fear Opium may be serviceable. Angry people should speak very low &c &c

Lecture 23d March 5th

Fear, was implanted in us for the useful purpose of de-
=fending ourselves from danger. It is a direase when it ex-
=ists in excefs or proper & when it exists on improper occafsions.
The proper causes of fear are sickneſs & death. The Symptoms are
paleneſs, Tremor. Increase of Urine, a short cough. Syncope
Aphyxia & death. It raises the hair erect & even renders it grey
in a few hours. It has produced suicide. Its presence sus-
=pends all other pafsions. Those most subject to fear, are gen-
=erally those who are most cruel. To prevent it children
should be inured to darkneſs. Servants who terrify children
with Ghosts & Hob Goblins should be banished from families
The continuance of fear is from a want of education & may
always be overcome by resolution.

Cure Generous or low diet with exercise & a due attention to

to cleanliness, according to the prevailing disease, have a wonder-
-ful effect in fortifying the system from fear. The frequent escapes
from death increase or do not lessen this affection of the mind. We
should endeavour to impress on the minds of those that fear death
that no pain attends it. Opium has a wonderful effect in compo-
-sing the fear of death. It also allays the fear as well as pain of
surgical operations. During contagious diseases let one advise you
not to carry any smelling bottles with you; because should you
at any time neglect to carry them the fear excited will be very
perjudical. But be always employed at something & put a firm re-
-liance on the protection of Heaven.

5 Joy. Tis the duty of a Physician to prevent its sudden
operation on the system

6 Envy & Malice - shew themselves but seldom externally
Vide Volume 2d of my Inquiries & Observations

7 Lust is intimately connected with moral evil in the world
'tis deeply seated in the constitution - 'tis implanted in us for the
propogation of our species. When in excess it should be moderated,

as

as it then produces tremors. flushed countenance, nocturnal pollution Onanism, Mania & Death.

The cause of this passion is high living excess in drinking Indolence a sedentary life. Womens passions are increased by weaving Thus much for the causes in plethoric habits; it appears in debilitated habits from fevers &c.

Cure 1 Matrimony & Fidelity to the Marriage bed.

2 Low diet

3 Labour or constant exercise, as long journeys on horseback I mean men only.

4 The Company of chaste virtuous women

5 Are there any medicines which will lessen this appetite? Castor Oil has been recommended but I believe it possess no other properties than that of a mild Laxative. Camphor has been used. That there does exist such a medicine I have not the smallest doubt.

6 Perhaps where there is a state of direct debility the cold bath might be employed with advantage - such persons

=sons should be constantly employed at Business or Study.

7 Dr Boerhaave says a fit of Laughter will remove it

8 A Salivation should be resorted to.

9 Certain tones of Music.

10 Lascivious thoughts, conversation Books & Prints should be ~~banished~~ & dalience with the Females should be avoided.

Dreaming & Night Walking, are diseases of the mind & body - the proximate cause is unequal action in the Brain.

Causes are hearty suppers or going to bed with an empty Sto=mach an inclination to go to stool or make water. Noise Light tight Ligatures & Impressions on the body or ear. —

Cure 1 Constant Labour

2 Avoiding heavy suppers & empty stomachs.

3 If from too much action a Purge

4 If from too little Opium.

5 I have heard of Somnambuli being cured by pla=cing a Tub of water in their room, but letting them previously know it. Thus Gent: I have finished the diseases of the mind.

I

I have for there some days past felt as if I was sailing in a Ballon I have passed thro' an untrodden country. I have given you a glimpse of the way permit me to recommend it to your future consideration.

Lecture 24th March 6th

Apoplectic State of Fever. It occurs from many causes. The remote causes of fever in general will produce it as the Contagian of Yellow Fever, Small pox, Plague &c. The contagion of Influenza disposes that way. If a person die suddenly during the prevalence of contagious diseases You have good reason to believe he died Apoplectic from the causes of fever.

Proximate Cause is pressure on the Brain from effusions of blood, pus or water, all of which have been found in large quantities on dissection. When there is an effusion of blood from ruptured vessels, it has been called "extravasation" when they are overstretched it is called Ixtravasion. Dr Cullen says the symptoms are different according to the different kinds of effusion & require a different method of cure. He supposes the serous indi-

cates

=cates the use of Stimuli – while the sanguineous requires deple=
=tion. Much mischief has been done by these distinctions & should
be rejected as leading to fatal practice. Apoplexy from the cause
of fever may be known from the time of year in which it appears,
& other marks of fever.

2 Intemperance in eating & drinking a cause

3 Contusions

4 Mephitic air or Carbonic acid gas

5 Fumes of Lead & Mercury

6 Opium

7 Smoke of Tobacco

8 Insolation

9 Long application to Study

10 Suppression of habitual Hemorrhagies particularly
Hemorrhois 11 Those subjected to Gout, particularly if they es=
=cape an attack of it are liable to it.

These all act as remote causes

Exciting Causes

1. Intoxication

2 Tight Ligatures

3 Indigestible food or Matters taken into the Stomach

4 Anger

5 Hot Bath

6 Exercising as dancing &c

7 Long & Loud speaking –

8 Wet Feet –

Tis remarkable that the same causes produce Apoplexy Hydropho-
-bia Hydrocephalus Internus, Paralysis, Phrenitis Phrenicula &c ac-
-cording to the predisposition in the system.

The Premonitory symptoms of Apoplexy are Head
ache Drowsiness, Giddiness, Night mare, dull or obscure vision,
sudden darkness passing before the eyes, Faultering tongue, Tremors
full inspiration &c Remedies for removing there precursors are

1 Bloodletting

2 Low diet

3 Purging – this I believe in many instances is prefer-
-able.

4 Vomiting.

Cure. The pulse is mostly full, hard & tense, sometimes how-
-ever

ever it is slow, weak & depressed & the greater the depression the worse the disease 1 Bloodletting - the quantity should be large or small according to the symptoms. It should be larger when it proceeds from Contucion than when debility precedes it. The temporal Arteries & Jugular veins have been opened. Opening a vein however in both arms I believe will be generally sufficient. All the blood intended to be taken should be drawn immediately, otherwise disorganization will very readily take place Dr Physick drew from Dr Dewese in an Apoplectic state of fever between 90 & 100 Oz of blood at one bleeding & thereby perfectly recovered him.

When the pulse is depressed the blood should be drawn gradually tho' constantly. Dr Brown has happily used the gradual application of stimuli in cases of direct debility. There is an equal necessity for the gradual abstraction of stimuli when the system is depressed where Bloodletting cannot be immediately put into practice.

2 Pressure on the Carotid Arteries as recommended by Dr Parry. Dr Glentworth once used this pressure with adoantage. The patient should be with his head erect & all ligatures

should

should be removed.

3 Vomits. They are recommended by Dr. Fothergill if it proceed from an offending in the Stomach they are highly proper I have never used them.

The best way to excite Vomiting here is by irritation in the throat either with a feather or the finger.

4 Purges - they should be of the active kind, they invite blood from the Head to the Intestines.

5 Glysters of a stimulating Nature.

6 Cool & Cold Air

7 Cold water to the Head.

All unnecessary attendants should be dismissed. If we have been called in too late for bleedings we must have recourse to Stimulants as

1 The Actual Cautery

2 Cataplasms

3 Salt put into the mouth

4 Fresh air

5 Stimulating Glysters

6 Electricity

7 Certain Sounds

8 Frictions. After patients are cured a Drowsiness &c frequently follow. Seatons should then be used.

To prevent a recurrence of the disease.

1 Temperance in eating & drinking should be enjoined but not abstemiousness. Meats should be moderate. Absence of Stimuli here as frequently produces congestion as their application

2d Indigestible food should be avoided.

3 A change of food should be avoided in those disposed to Apoplexy. the stomach is a strange viscus, it seldom receiver a new aliment kindly after 40 years of age

4 Drinks should be gently stimulating, as diluted Madeira Wine which has been called the Milk of old age

5 The use of onions & Garlic I think are serviceable. I have known a Vertigo perfectly cured by taking a Clove of Garlic every morning. Tis said a teaspoonful of Honey or any kind

kind of syrup if taken after it will prevent its affecting the breath. 6 Gentle Exercise

7 Issues or Seatons. Violent exercise, intense stu=dy, cold feet, crowded assemblies &c should all be avoided. Habit=ual customs, as smokeing &c - should be continued. The third fit of Apoplexy is not as has been supposed necessarily fatal. for I have known a person have six fits. Hippocrates has very justly said that Apoplexy without fever, is much more dangerous than with fever. This you can readily concieve of — the greater the depression, the greater the danger & the less the fever. Intoxication is a disease of the apoplectic kind. —

Cure 1st Vomiting by irritating the throat should be used

2° Cold water to the head & body in general.

3° Fear

4 Any new action excited by Anger &c if it can be greater than the intoxication. —

Lecture

Lecture 25th March 7th

A Paralytic state of Fever. It occurs frequently during the prevalence of Epidemic or Contagious diseases. Authors have divided it into Hemephlegia as when one side only is affected. Paraphlegia when the lower part of the body is affected, & Para-lysis partialis when particular muscles are affected. All the common remote & exciting causes of Apoplexy produce palsy, 'tis nothing more than an inferior grade of Apoplexy. Writers take notice of the pulse being fuller in the affected side. The pulse is frequently full & tense sometimes depressed, & sometimes soft & nearly natural. It affects women more frequently than men Children seldom have it. The precursors are the same as in apoplexy. It sometimes succeeds small pox, Dysentery & Ca-tarrh in a small degree. It also succeeds the Belly ache——

Cure. It is the same as Apoplexy attending to the sys-tem at the same time.

1 Bloodletting. From 100 to 150 Oz are neces-sary to be drawn in this disease. I am satisfied where it

terminates

terminates in an incurable Paralysis or Death it is the con=
=sequence of too little bleeding. A soft and almost natural pulse,
here, instead of forbidding bleeding loudly calls for it I dont
know any thing I have profited more by than this observation
of Mr Hunters; viz that in affections of the brain the pulse
is but little affected. Tis of immense application. If Mr Hun=
=ter had left nothing more behind him, this alone would have
been sufficient for perpetuating his memory. Celsus says if
a man be taken suddenly ill in high health he should be
bled regardless of his pulse. Lay it down therefore as a rule
Gent: always to bleed in palsy regardless of the pulse provi=
=ded you be called early. —

2 *Purging*. The purges should be of the ac=
=tive kind; the late Dr Bond always preferred purging. Aloes is
the best of this class as it excites a strong action on the rectum.

3 Nitre Calomel & Tart: Emet: may be
given with advantage. When morbid action is nearly sub=
=dued or partly so stimulants are to be administered: these
are

are external or internal. The external ar

1 Cold Bath

2 Warm Bath

3 Mustard or Horse radish

4 Liniment of Canthariades & Other.

The internal are

1 Volatile Salts

2 Tinct: of Gum Guacum

3 Salivation

4 Violent Passions or Emotions.

Favourable Symptoms are 1 a Prickling sensation in the affected part 2 Pain a sweating of the limb is unfavourable the prophylactic remedies are necessary here as well as in Apoplexy. as Stimulating when there is debility. & depleting when there is a fullness

9 Comatose & 10 Vertiginous States of Fever.

They are to be treated in the same manner as the former, remem= =bering to accomodate the remedies to the state of the system.

They

they are only lower grades of the same disease. Coma in the be=
=ginning of fever requires bleeding in the latter end & low states
it requires Stimulants.

11 Waking state of Fever. Cured by —

1 Bloodletting

2 Silence

3 Darkness

4 Labour used just before bed time. When the action is weak — the remedies are

1 A moderate supper

2 Porter

3 ℔ Laudanum

4 Cheese

5 Asafotida

6 By imparting equal excitement to the whole system by walking frequently acros the room

7 Thinking on subjects alone & that are not in=
=teresting as counting 100 backwards &c. ——

8 A gentle noise as the falling of water. The poet speaks of the "Livis Suzuris" of Bees. They produce no thought

9 Light sometimes induces sleep. Studious men are most subject to this diseare.

12 Hydrocephalic State of Fever. It affects children chiefly. I beg leave to refer you to my 2d Vol: Inq: & Obs: It however appears sometimes in adults. It is frequently caused by blows & contusions; 'tis however most frequently a symptom of fever. It occurs from suppression of discharges of the Skin; from consumption from checking a Diarhoa. The water in the brain is always the effect of inflammation in that part. 'tis proved from all its symptoms. The pulse is hard tense & slow. see my 4th Vol: 'Tis remarkable the pain & fever frequently go off before death. Tis owing to an effusion relieving the Bloodves=sels. These effusions however react & produce convulsions — the remedies likewise prove it to be an inflammatory disease

Cure 1 Bloodletting. This should be copious & frequent

frequent. Before I used Bleeding in this disease I lost 25 of 30 patients. Since I have adopted Bleeding in this complaint. I have not lost one when I was called in time & had an uncontrouled exercise of my judgment.

2 Purges should be given every day

3 Blisters to the head & neck

4 Salivation should be used tho' not till after Bleeding &c

5 Cold water or Ice applied to the Head

6 Perhaps after the system is reduced, the cold bath would be proper to give tone to the system & prevent a relapse

13th Nephritic State of Fever. It is generally the effect of Calculi & worms in the kidneys. It however occurs in small pox, Gout, Malignant fevers &c. There is an engorgement of the vessels of the kidneys. Tis known sometimes by pain in the back, numbness of the thighs, Retraction of one of the Testicles, Retention of Urine &c

Cure 1 Bloodletting seldom fails of producing immediate relief

2 Cold air

3 Purges

4 Glysters are of great service

5 Low diet

6 ℒ Laudanum after depletion. When Nephri=
=tis is chronic as from calculi a little bleeding is of immense
service. Gravel & Stone might be prevented by bloodletting. The foun=
=dation of Gravel I believe to be nearly always the consequence of
inflammation in the kidneys. This effusion is blood or coagula=
=ble lymph, which form the nucleus of a future stone. We should
be led then Gent: to deplete early in diseases of the kidneys.
There is a kind of Calculous diathesis which should be care=
=fully avoided by / Avoiding every thing of an acid nature; as
an acid is found to be frequently the basis of Calculus 2° By
avoiding costiveness 3° By avoiding lying on the back 4 By avoid=
=ing a hard going horse or carriage 5 Gentle exercise of that
kind which moves the back chiefly 6 By drinking copiously
of cold water - Green teas &c have been recommended, but I
suspect they act from the water they contain. The virginia
springs

springs are useful in this way ℥ Alkaline drops & Lime water, they act by neutralizing the acid ℞ Certain Bitters as Uva Ursi which I believe is the best should be given in the inter=vals of the Paroxysms. Bark steel & all other Tonics ℥ Cold Water to the back by clothes 10 Avoiding making water on the back. Cystitis is cured by the same remedies.

Lecture 26th March 8th

14 Hydropic state of Fever. I have said morbid ac=tion in the Bloodvessels tended to effusion. The matters effused are 1 Air this frequently takes place in the Bowels in cases of Bilious fever 2d Salivas or Vapour 3d Serum this occurs in Dropsy the water effused in the Brain does not coagulate according to the experiments of Dr Woodhouse, probably from its being more fine=ly seperated 4 Serum & Coagulable Lymph are frequently ef=fused together. Coagulable Lymph is effused alone, as in the Bowels, Kidneys, Liver Lungs, Spleen, Gall Bladder Joints &c & in all these places calculi have been found. ℥ Serum Coag=

=ulable

=ulable Lymph & red Globules have been all effused toge=
=ther. When there is congestion, a kind of paralysis takes
place in the vessels. Engorgements are produced by the over pro=
=portion of Stimulus, when effusion takes place the vessels are re=
=lieved of their load & are excited into action. When Serum is
effused into any cavity of the body Dropsy takes place. The Scar=
=let Puerperal & Rheumatic fevers, frequently terminate in ef=
=fusions which most frequently occurs in the extremities pro=
=ducing what goes under the name of Anasarca. The inter=
=mitting fever effuses into the cavities, producing ascites. The
Catarh frequently terminates in effusions in the Thorax called
Hydrothorax. In the brain it forms Hydrocephalus. ~~Interims~~
Nineteen Dropsies out of twenty are purely atterial diseases.
The occasional occurence of Dropsy, from a ruptured Lym=
=phatic is I believe very rare. & still more seldom does it oc=
=cur from direct debility.

Dropsies naturally divide themselves into those of great
& those of moderate morbid action, of this however you can

judge

13

judge from the pulse - which is slow in Hydrocephalus - in-
-termitting in Hydrothorax &c -

1° Those remedies for this disease, which act by diminishing mor-
-bid action are 1 Bloodletting

2 Purges

3 Vomits

4 Fasting

5th Certain Sedatives as Digitalis, Nitre &c They act only by diminishing the quantity of serum & giving the ab-
-sorbents thereby room to act, & do their office in absorbing the Stag-
-nating waters Bleeding answers this purpose much more effectually

6 Fear

7 Cold. for facts to prove the justness of these remedies see my Vol: 2°.—

2° Those remedies which excite a Healthy action are Tonics both of the Vegetable & Metallic kind - Vid: Vol: 2°.——

Since I have adopted Bleeding in this disease, my success in recent cases has equalled my wishes.

2

In Chronic Dropsies I have been more successful than formerly from accomodating my remedies to the state of the system. However new bloodletting may be in Dropsy in the U States I find I am not the first who introduced it into practice. It was used in France 100 years ago by the celebrated Batallus.

15 Eruptive State of Fever includes small pox. measles Scarlet Fever &c &c

The remedies are to be accomodated to the state of the system.

1 Bloodletting should be copiously used.

2 Purges

3 Mercury should be frequently & freely used to save the Breast & Brain.

The Anamolies to small pox in addition to what I have said in my Vol: 1st are 1 There is a great difference between the time of receiving the infection & the appearance of the fever; as from 5 to 20 days; the 14th day is generally the period in the natural way 2d In some cases no eruption takes place 3d Sometimes the fever continues during the whole time of the eruption 4 The

effusion

effusion is Serum, Purulent Matter & Blood. 5 There is a differ-
-ence in the continuation of the suppurative fever. Nine days is
the common time it will however continue from the 5 to the 20th
6 It differs in the parts it affects as the Brain Lungs Lympha-
-tic Glands &c producing abscesses. Trachea producing Cynanche
Trachealis &c also in the limes producing Mortification. 7 a second
crop of pox appear, which are generally brought on by some exciting
cause 8 some escape it for years & even for life. 9 In the Eastern
parts of the World - Writers say it is never infectious during the
Harmattan winds. Thus much for the natural way.

In Inoculation the Anamolies are.—

1 A Failure of fever after infection has taken place; which general-
-ly fails 2 When there is an inflammation in the part shortly
after inoculation, resembling the bite of a Wasp I have scarcely
ever in these cases seen it succeed 3 No inflammation will
sometimes appear on the arm & the fever will go thro' all its sta-
-ges with regularity 4 A second crop of pox 5 I have heard
of an eruption filling regularly three months after the first

infection

infection & I have seen it take place a second time Vid Vol:
1st For the treatment of the Measles. I will refer you to Dr
Sydenham. He taught me to cure it. Bloodletting should be used
in the early stage. The Diarrhoa & Cough which succeed Mea-
sles readily yeild to Bloodletting. You may prepare your pa-
tients as certainly & as effectually as in the Small pox. Vid: Vol:
2d of my Inq: and Obs: —

Lecture 27th March 9th —

Homorrhagic State of Fever. The system from various causes is liable to plethora & there can be no plethora without previous debility, which being greater in particular parts, there greater action is excited. The Arterial plethora occurs in Youth producing Epistaxis & Homoptysis. The venious plethora takes place in old age producing Homorrhoes Melena &c. Dr Cullen has divided Homorrhagies into active & passive. I reject these terms altogether; for I deny the existence of passive Homorrhagy. action must take place in the vessels to produce it. I divide them

them into Tonic & atonic in each of which there is more or less action in the vessels. They are related to each other as Pneu=monia & Pneumonicula. There are some who are of such par=ticular conformations that the slightest wounds will discharge.

Predisposing Cause is debility in every part of the sys=tem. But more particularly on the surface of the Lungs. Nose &c. This debility disposes to indirect morbid action. Homoptysis may be called Pneumonicula Cruenta. The vessels here relieve themselves by a discharge of blood.

Remote & Exciting Causes are

1 Sudden vicissitudes from heat to cold

2 Pressure of the Atmosphere

3 Passions of the Mind

4 Exercise of particular parts as in Loud Hol==lowing singing Laughing &c—

5 Cold applied to one part & determined to another, as cold feet — also to the Lungs.

6 Great heat or pressure from clothing.

7 Intense Heat or Cold

8 A Determination to certain vessels rendered weak by Habit

9 Animal Magnetism has Induced Homoptysis

When Homorrhage once appears it is very apt to return.

Is Homorrhagy a salutary discharge? No. Is Nature to be trus-
-ted for the cure? She is to be trusted less in this dis-
-ease than any other I know.

Cure 1 Bloodletting accomodated to the state of the system 2 Cold Applications as Air, Water, Ice &c. The effects of these remedies prove the justness of my proximate Cause.

3 Lenient Purges

4 Sedative Medicines as Nitre &c. ——

After Morbid action is subdued by the above remedies. give

1 Opium

2 Blisters

3 Common Salt

4 Bark

5 Allum

6 Cold Bath

7 Exercise

The Homorrhagies which take place from particular parts are distinguished by different names. On each of which I shall say a few words. And 1 Homoptysis or spitting of blood coming from the Lauces as the latter is unattended with cough & the blood may be seen oozing from the vessels. The blood from the lungs has also a more floid appearance that from the stomach is dark coloured &c. Predisposing cause is debility either of the acute or chronic kind. It occurs during the night. It is almost unknown in those who use their Lungs much in speaking as Lawyers, Criers, City Watchmen &c. The Clergy are subject to this complaint I am disposed to be-=lieve, in them 'tis owing to frequent alternations of Heat & Cold. I have known this disease twice fatal.

CURE is to be attempted by 1 Lessening morbid action in the whole system by

1 Bloodletting in the use of the Lancet you are

are to be governed by the pulse - it will be better to bleed mo-
-derately & frequently.

2 Cold Dress & cold liquors applied to the Breast
Scrotum & The late Dr Cadwaleader cured himself of an Homop-
-tysis by stripping himself naked & rolling himself in a sheet
wetted with Vinegar it produces Universal constriction

3 Acids as Vinegar, Rosewater &c —

4 Nitre allum &c -

5 Vegetable diet

6 Rest of Body & particularly of the Lungs.

To obviate morbid action in the lungs Common salt from a tea-
-spoonful to a tablespoonful. It should by no means be omitted
during the disease - it does not appear to act on the whole system.
After morbid action is reduced - use

1 Opium

2 Blisters they are of immense service

3 British oil I hear has been used with succes

2d To obviate debility & prevent a return of the

disease

disease all the methods directed in Consumption should be attended to particularly a moderate Climate, Journeys a Liberal diet & Bark is of great service. I can speak of it from personal experience. Many people subject to this disease live to an old age.

2° Epistaxis or bleeding at the Nose - it most generally proceeds from atterial plethora. I have known it twice fatal in Malignant fevers & notwithstanding the patient lost considerable quantities of blood from the arm, yet still the pulse continued obstinately tense till the last. —

Cure 1 Bloodletting should be used if the system be brought into sympathy

2 Rest

3 Lenient Purges

4 Cold Water to the Neck, Scrotum &c. —

5 Plugs of Linnen or Lint in the Nostrils

To obviate a return the patient should use low diet avoid much study or blowing the nose - beware of tight Ligatures.

3 Homorrhagia Uterina - is to be cured in the same manner as other Homorrhagies

1 Rest is of immense service

2 Cold Water, Vinegar, or Ice to the parts

3 A Stream of cold air directed on the parts previously laid bare

4 Flour thrown on the parts

5 Blisters to the Thighs

To prevent a Return

1 Bloodletting occasionally

2 Gentle exercise

3 Bark & Port Wine

4 Should avoid climbing up stairs

4 Homatemesis, or a Vomiting of Blood from the Stomach

Remote Causes, are acid substances taken into the Stomach Emetics Concussions Obstructed Menses &c

Cure the same as in other Homorrhagies.

1 Bloodletting

2 Cold Water

3 Common Salt

5 Hemorrhois or Piles

Cure 1 Bloodletting

2 Lenient Purges

3 Laud Liq:

4 Bark

5 ~~Attringent~~ Glysters.

6 Exercise

6 Hematuria or Bloody Urine.

Cure is to be the same as others Common Salt has stopped it.

It is owing to great morbid action in the Kidnies & to Calculi.

7 Hemorrhagy from Wounds

Cure 1 Cold

2 Dry lint

3 Flour

4 Compression

5 Liquid applications should be avoided except

Rus

Aur pinis styptic solution, which will stop Bleeding

℞ Sugar of Lead

Lecture 28 March 12th

17 Amonorrhagic State of Fever. It is generally attended with most of the symptoms of fever. Let your re=
=medies be all directed to the state of the pulse. When the sys=
=tem is much affected your remedies are,

1 Bloodletting

2 Purges especially aloes

When there is weak action Tonics should be used as

1 Chalybeates

2 Exercise

3 Calomel

What is called Emansio Mensium is frequently owing to imperforated Hymen. In these cases you should have your patients examined Emenagogue ~~remedies~~ medicines as they are called are all of a Stimulating nature they should

should be carefully avoided in the inflammatory stages. I have scarcely been consulted in a case of obstructed menses but what I have found symptoms of inflammatory fever & of course had occasion to use evacuents.

Dysmenorrhagia is attended with much pain & morbid action in the bloodvessels & as this increased is in ratio with the previous debility it should be guarded against by administering Tonics in the interval of the Menses

18 Hemorrhoidal state of Fever. It is sometimes a local disease; but most frequently a disease of the whole system. It affects adults most frequently & females oftener than males. I have seen it produce Dysury & Gonorrhoa.

Causes are costiveness acid purges. hard riding, sedentary life it often accompanies Gout. Predisposing Cause is debility

Cure when the system is affected

1 Bloodletting both general & local locally by means of Leeches, or which is equally as good by puncturing the protruded piles with the point of a lancet it is astonishing what

what relief even a few drops will afford.

2 Lenient purges as Sulphur &c

3 Horizontal posture

4 Cold water locally applied is one of the most powerful remedies I am acquainted with. I have used it & with the happiest effects

5 Smoke of Leather

6 Strammonium ointment These two act probably as sedatives indirectly. The following form of an ointment I have found very serviceable.

Recipe Sacchari Saturni

Gummi Opii

Pulveris Gallæ ā ℥j

Ungenti Strammonii ℥ß M ft ——

7 Low diet

After inflammatory action is reduced the swelling sometimes continues without pain, which may be removed by stimuli- as

1 Sugar of Lead

2 Tobacco Leaf.

Hepatic states of Liver - Divided into Diseases and Disorders of the Liver - Diseases are Hepatitis - Hepatirrhœa. An increased secretion & ejection of Bile - or Diabetes of the Liver - Insanity of the Liver - The Disorders are Jaundice - Hepatalgia or Torpor of the Liver - Obstructions of the Liver - Biliary Calculi -

Hepatitis is known by pain in the right Hypochondrium increased by pressing on the part - Dyspepsia - frequent strong and hard pulse - and high coloured urine - A pain on the top of the shoulder - The disease is sometimes attended with hiccough, and sometimes with vomiting - In addition to these symptoms Dr Pugh observes that it is sometimes characterized by violent headach and he has known it to be accompanied by a pain in the left side -

3 Preparations of Tar &c

Tis from this disease that Fistula in Ano that most dreadful of all diseases, is most frequently derived. It may be avoided by avoiding the causes mentioned & by the use of Bloodletting in Piles for as Consumption arises from neglected or half cured Peripneumony - so Fistula in Ano arises from neglected or half cured Hemorrhoidal state of Fever.

16 Opthalmic state of Fever frequently affects the whole system & shews itself by inflamed vessels on the Tunica Adnata. Causes are general as well as local. it affects the whole system & accompanies general Fever. External violence, Motes, inverted Hairs, Lights Effluvias from privies, Heat & Moisture &c all produce it

CURE if the system be generally affected general Bloodletting should be used. Otherwise Leeches - Cupping & scarifying the Tunica adnata.

2 Purges

3 Blisters

4 Cold Water

If there be weak action Tonics to the Eye should be used as

1 Lead Water

2 Lead Poultices

3 Aquer solution of Opium

4 Solution of White Vitriol

5 Barks

6 Infusion of White oak Bark or leaves in Water

7 Madeira

8 Brandy diluted

9 Vapours of Stimulating Vegetables

10 Electricity

11 Demulcent applications as Quince seed Bruised in Water

12 Lapis Calaminalis & fresh butter - equal parts make an elegant & excellent application - Light, spirituous liquors &c should be avoided. Foreign substances should be removed from the Eye by

1 Eye Stones

2 Dipping the face with open eyes into a tub of water

3 Pressing the Eyelid close

If there be general relaxation

1 Bark

2 Opium should be administered internally. If it ari=ses from the affection of another part that must first be cured if from general disease that must be removed If from acid Hu=mours Issues & Seatons must be used.

2d Odontalgic state of Fever. It is attended with pain the teeth & jaws. That it is a state of Fever I infer 1 from there being Bloodvessels in the teeth - 2 from its occurring in those who have no other than sound teeth 3d From its occurring in those seasons of the year when other inflammatory diseases prevail. In Lap=land &c where fevers are few the tooth ache is not known 4 From its being produced by the alternate action of Heat Hold 5 From its occurring in the inflammatory periods of Human life.

Reject, sugar Salt &c from having any effect in producing it.

Rest it on arterial action. It mostly occurs under 36th year of age. The inflammation sometimes affects the neighbouring

Glands

Glands &c It sometimes attacks sound teeth. distant from the affected one

Cure. 1 Extraction should not be used in the painful inflammatory period for if the system be brought into sympathy we should use

1 Bloodletting

2 Gentle Purges

3 Blisters behind the Ear of the affected side are of immense service

4 Roasted Fig to the Jaw.

Opium should not be used during the inflammatory period for so far from giving relief it increases pain & inflammation.

5 We should apply such things to the face as would excite a new action as flour & ginger beaten up together spirits to the Mouth &c

6 Extraction after the pain ceases.

When a Caries has commenced there are three methods proposed. 1 To fill the hollow with gold leaf 2d To destroy the Nerve by a hot Knitting Needle 3 To extract it. This last method should by

by all means be prefered abscesses are sometemes produced in the sockets & Antrum Maxillare. There may be prevented by ex=
=traction. Never attempt curing it any other way. When the An=
=trum Highmorianum is found to contain matter, the adjoining tooth should be extracted & a perforation made into the Antrum
Artificial teeth do not communicate with the vessels of the jaw
They are fixed in the sockets in the same manner as a nail is
fixed in a piece of wood - a dry tooth should be prefered to a
fresh one. Tooth ache may be prevented by sleeping in a warm
night cap by avoiding drinking water very warm or cold, by
clearing the Tartar from the teeth - by washing the teeth every
morning with cold water & at night brushing with cold water
There is a Chronic Rheumatism which affects the jaw uncon=
=nected with the teeth we should here use

1 Bloodletting

2 Opium and Ginger Plaisters

21 Otalgic State of Fever attended with a pain in the Ear
Cure 1 Bloodletting

2°

2 Purging
3 Smoke from burning Sugar
4 Juice of Hickory Tree I have lately heard recommended.

When suppuration has taken place injections should be used Deafness might be prevented in many instances by Bloodletting.

III Such as pass by the Arterial system & fall on other Parts. These I call misplaced states of fever.

1 Hepatic State of Fever. It is a suffocated state of fever. It is always symptomatical, except when it arises from Gall stones Luxions of the Liver &c For a description of this disease I must refer you to Books. I have known a numbness of the lower limbs attend the Gums are sometimes hardened, pulse soft, stools green. Tis divided into Chronic & Acute Hepatitus. Premonitory symptoms are a dulness & increased appetite sometimes unusual cheerfulness attends. Remote Causes are those which induce Bilious fever. The liver disease of the Indies is nothing more than a concentrated Yellow Fever. It affects none under puberty. It affects women more than men

Cure 1 Bloodletting should be used copiously & early

2d

2 Mercury so as to induce a Salivation It acts by producing a new action in a less dangerous part & as an evacuent It seldom affects the mouth when suppuration is taking place owing to the suppuratory action being greater.

Inflammation of the Liver terminates in suppuration schir=
=rous & absorption of its substance. It opens sometimes into the Stomach, Intestines, Lungs Abdomen & externally - an Emetic has discharged all the matter contained in the Liver.

2 Scrophulous state of Fever. Scrophula has been sup=
=posed to be a specific disease of the Glands I grant it is so; but it always brings the Arterial system into Sympathy. Its causes prove it to be a state of fever also its symptoms, as chills, quick pulse, visceral affections, furred teeth, black Gums &c Dr Han=
=dy says "Blood drawn in this disease shews no sizzy appearance" this only proves it to be diseased action beyond the power of pro=
=ducing sizzy blood. Dr Hillary very properly calls it a Fever.

Cure you are here to accomodate your remedies to the state of the pulse or system.

1st

1 Bloodletting

2 Purging

3 Low diet

When morbid action is reduced we should employ.

1 Bark

2 Mercury

3 Sea Bathing

4 Opium

5 Generous Diet

The remedies here should be varied according to the varying state of the system. Even slight causes will produce wonderful changes.

Lecture 29th March 13th

3 External Inflammations. They are divided by Nosologists into Phlegmon & Erythema. The first forms Pus and reaches to the Cutis Vera. The latter never does & reaches no further than the Rete Mucosum. In Phlegmon where the system becomes affected the Cure is 1 Bloodletting

2°

2 Purging

3 Low diet

Local applications are

1 Cold Water

2 Lead Water

3 Lenient Poultices

If suppuration be coming on, such applications as stimulate by their heat should be used as Flax seed. Lilly root &c boiled in Milk & then spread over with oil. If these should fail, Lye poultices sh=ould be made; of beer, Lye & bread, equal parts; also Opium & Sal: Ammon: When they are ready to open they should be lay the Lancet. When this is objected a plaister of Flour, Honey & Yolks of Eggs should be applied in order to break them. If Gangrene appear stimulants should be used provided the system has given up its inflammatory action

such as 1 Bark

2 Opium. Gangrene of the toes sometimes takes place in Jail & Hospital Fevers. Opium is then the proper

remedy

remedy. Paronychia is a very painful inflammation of the periosteum of the fingers. When it first appears the affected part should be repeatedly immersed in boiling vinegar or water. This acts by exciting either a new or circular action or by inducing indirect debility & thereby destroy action altogether.

2 Deep Incision thro' the Theca of the finger

3 Excision sometimes becomes necessary.

Anthrax is another external Inflammation; for a description of it I refer you to Authors. If there be much inflammation.

Cure by 1 Bloodletting

2 Mild Poultices

3 Detergent Ointments

4 Bath

Burns when they produce fever should be treated by

1 Bloodletting

2 Purges

3 Low diet. Such local applications as restrain in-

flammation as 1 Cold Water

2 Lead Water

3 Poultices of Bread & Milk

4 Stramonium Ointment.

There is sometimes a Chillines that prevades the whole system in consequence of Burns which is very remarkable. Persons burnt in consequence of a flame around them have often a complete paraphonia this is owing to the inhalation of flame 'tis always fatal, there is an incurable Ulcer formed in the Lungs by it.

4 Convulsive State of Fever. Of this there are several grades as 1 Tremor 2 Convulsions 3 Spasm; they are Tonic & Atonic 1 Tetanus is of a mixed nature between Tonic & Clonic. Predisposing cause is debility. Remote causes are all debilitating. Exciting causes are 1 Wounds. In producing it it is not necessary that the nerves should be partially wounded for it occurs from Amputation and wounds where no tendons are affected. It occurs from wounds of all kinds, tho' most frequently from Gun-shot wounds. It sometimes follows wounds after they have healed, probably from some matter being retained. Cutting the Umbilical Cord has pro-

=duced it The time from the reception of the wound to the ap=
=pearance of the Tetanus is various. It happens from one day to
six weeks slight wounds from cutting a Nail or Corn has produ=
=ced it Burns induce it. I have heard of a wound of the eighth
of an inch producing it. Inflammation & suppuration never
follow those wounds which induce it.

2 Application of cold air after the body has been previously hea=
=ted has frequently brought on Tetanus. A Current of air on the
head & neck has produced it. Dr Hunter mentions it as a symp=
=tom of bilious fever. Dr Griddlestone in his account of the spas=
=modic affections of the Indies has many remarkable instan=
=ces of this disease. Tis nothing more than a misplaced state of
fever which passes by the Arterial system & falls on the muscles
with all its force. Patients are said to die without any marks of
inflammation on dissection; this only shews that morbid ac=
=tion is so great as to transcend the inflammation 3 Terror has
produced it 4 Acrid matter in the Alimentary Canal as the me=
=conium in children 5 drawing teeth has brought it on 6 By

eating

eating the Hemlock, Dropwort & Strammonium ℥ Parturition
& the late Dr Bartram of S. Carolina has told me, he saw a
large draught of cold Water produce it ℊ Symptoms of Hysteria 10
Sometimes it occurs in Gout & complaints from worms 11 The
Hydrophobia. Are there any premonitory symptoms? Yes there are
Pain & stiffness in the Neck Starting in ones sleep often precedes
this disease & may be prevented by

1 Bark

2 Opium

℔ from a wound; It should be irritated by Turpentine Salt Tincture of Canthariides. Lime juice &c previously however dilating the wound. Here inflammation being excited locally a tone is thereby given to the whole arterial system; & a general & equal excitement produced. ℔ it appears to occur from bilious affections an emetic should be given. ℞ When violent action takes place we should use

1 Bloodletting

2 Cold. Mr Hunter I have been informed by one of his pupils used to say when he spoke of this disease "If I were to be

attacked

attacked with this disease & were able I would throw myself into an Ice House or transfer myself to the cold regions of Nova Zembla"

3 Purges. If they cannot be administered. Glysters should be given. We should always be upon the watch for symptoms of weakened action & whenever they appear I give

1 Bark
2 Wine } Freely

3 Opium

4 Oil of Amber

5 Flour of Mustard

& Injections of all these Stimulants & Tobacco when they cannot be given by the mouth should be attended to.

7 Cold Bath by plunging. I have seen it cured by the sudden effusion of cold water. Here it acts like a Stimulant.

8 Mercury internally & Externally, tone is thereby communicated to the Nerves thro' the medium of the Arterial System. Dr Griddlestone advises the patient to be wrapped up in warm blankets & to take large quantities of Wine & Opium. For the

Tuismus

Trismus Nascentium or jaw fall, I am sorry to inform you Gent: I know of no cure; It may be prevented. —

Lecture 30th March 14th. —

5 Hypochondriac & Hysteric states of Fever. The Nerves & Arteries are both affected. Patients are said to have a complication of diseases, but it is no such thing. Remedies are the same as in other states of fever only attending particularly to the states of the system & such as act particularly on the nervous system as Asafoetida.

6 Cutaneous states of Fever. Vid: Vol: 6th

Leprosy is nothing more than a fever as Cholera is a Bilious fever of the highest grade turned in upon the Stomach & intestines so Leprosy is a fever of the highest grade turned outward. The black colour is owing to black blood deposited in the Rete Mucosum. Vomiting & Purging have cured this disease. Tar in different forms has cured it by evacuating so has Bloodletting. I am led to believe the cure will finally be discovered in the Lancet. I have seen it

it follow half cured Bilious Fevers. Tis in fact nothing more than a misplaced state of fever. Leprosy occured in Great Britain during the plague.

Cure / Bloodletting. The symptoms as soreness of the skin Inflammation & botches of the skin all call for it. It is astonishing the effects Bloodletting has on the skin. The violence of translated Leprosy proves the necessity of Blood-letting. I have seen it translated to the lungs producing pulmonary consumption. There does exist a cure for Leprosy if there did not Heaven like man would be kind only by halfs & the cure I doubt not will be found in frequent Bloodletting. Examine the pulse Gent: it has never been attended to in this disease till lately.

Scurvy. I have said it nothing more than a misplaced state of jail fever. The same causes induce this as other states Foul air is one of the most frequent causes. The same symptoms take place here as in other fevers. The same remedies cure it Fresh aliment generally cures it. Would not the Lancet be

proper

proper in the commencement

N We now proceed from Sebrile diseases to those which affect the Nervous system primarily & the Arterial system secondarily. I have said formerly that Casualties, War & old age are the only outlets of human life. Fevers are the only original natural diseases. they have not only diminished now but they have changed their Types. In simple ages & regular life morbid stimuli produce morbid action in the Arterial System. In more luxurious life, these same stimuli produce diseases of the Nerves & Arteries as in Gout &c In high luxurious ages the same stimuli will produce pure nervous diseases as hypochus &c The Nervous & Arterial systems cannot be long affected seperately without bringing each other into sympathy. I however wish to confine myself particularly to those which chiefly affect the nervous system, remember with the Nerves I include the Muscles.

1 Catalepsy appears to be an inferior degree of Apoplexy there is some degree of congestion in the Brain, sudden frights unsuccessful love will produce it. It sometimes occurs as a symptom

F

of fever. The patient stands perfectly stedfast.

Cure. The same remedies should be used here as in Apoplexy only of an inferior degree: In those convulsions which exist independant of arterial action Opium if the action be moderate will generally answer in preventing them Cold air should be applied during the convulsions particularly in children. To prevent it in children Tonics should be used Convulsions in the commencement of Fevers protend no danger - in the close they are generally fatal they may here be prevented - by being kept cool.

2 Chorea Sancti Viti - vide Dr Cullen ——

Dr Sydenham has very properly recommended Bloodletting in the commencement of this desease & then Chalybeates. If there fail oil of Amber will be found a powerful medicine. It mostly occurs in children. I have seen it twice in Adults.

3 Cramp is a violent contraction of the Muscles predisposing cause is evidently debility as it generally occurs in sleep & while swimming when the system is debilitated Hippocrates very properly says "Atonica gignit Spasmos"

Cure

Cure. If it occur during the night, the person should rise suddenly. Friction should be employed.. Tight ligatures above the knee except the patient be a pregnant Female - Squeezing a roll of Sulphur has removed it 'tis merely by reflection.

4 Hiccup. A convulsive action of the Diaphragm. It occurs frequently from drinking & I speak of it as occurring independant of fever.

Cure 1 Stimulating passions as Joy &c or
2 Sedative passions as Fear &c
3 Opium
4 Oil of Amber.

Lecture 31st March 15th.

5 Epilepsy - Dr Cullen defines it to be a convulsion of the muscles accompanied with sleep. It has been called - Morbus Comitialis & Morbus Sacer. I have thought & read much on this disease, but I am sorry to say I know little more of it than I did when I first began the practice of Medicine. All I shall be

In those who dies of Epilepsy the blood is found accumulated in the arteries - D^r Short mentions the case of a patient who sweated blood - These shew it to be a disease accompanied with violent arterial actions - A Filial disease - Sometimes Congenial, but not Hereditary -

be able to give you will be a few facts - that a cure will be found out I have no more doubt than that the sun will rise & set tomorrow Dies Doceat.

Remote Causes are local & General - Under the first head are 1 Fracture 2 Effusions in the Brain 3 Calculi 4 Worms 5 Humours in every part of the Body. Under the second head are 1 Great exercise of Body & mind 2 Violent passions particularly fear 3 Intemperance in eating & drinking 4 Indulgence in the Venereal appetite to excess 5 Onanism 6 Repelled eruptions 7 Sleeping in the Open air. These causes induce such a mobility in the system as cause it to be thrown into action by the slightest causes. Tis a higher grade of Hysteria. A fit once formed is ever after apt to return from habit or Association.

Are there any premonitory symptoms of this disease - yes there are 1 A bitter taste in the mouth for two or three days previously to a paroxysm of the disease 2 Tremors - 3 Tense or slow pulse 4 Headache 5 Inflammation of the eyes 6 A Peculiar smell of the breath.

Remedies for these precursors

are

ate 1 Vomits

2 Purges

3 Abstinence

4 Bloodletting if the pulse require it.

5 Opium if there be langour or but little action.

6 Sulphur has prevented it as also has the smell of it

Accidental Cures have been performed 1 By the change that takes place at the time of puberty Epilepsy has been removed 2d In women childbearing has cured it 3d It wears of with age Few have it after 50 years of age 4 A change of climate 5 Full diet after having previously lived on a low one has performed a cure as the late Dr. K.s Morgan informed me - There Cures suggest to us the propriety of using Tonics in this disease. Tonics act in pro=portion to excitability. Epilepsy in early life is chiefly accom=panied with plethora which produces a predisposition to the dis=eare. I do not mean by plethora a morbid action in the vessels.

Cure 1 Bloodletting. Dr Brown relates a care of Epi=lepsy being cured by Bloodletting being used untill dropsy was induced

induced & why not. If Bloodletting be used here until the system be brought to the effusive point. I can very readily concieve that this new disease may remove the old one. Dropsy is a much more manegable disease & who would not rather have it than Epilepsy

2 Milk & Vegetable diet have sometimes cured it. Dr Cullen put more dependance on low diet than any thing else in this disease. When I recommend low diet in this disease I generally allow them to make use of salted meat & fish. They keep up a tone in the system & at the same time lessen the quantity of blood; according to Dr Beddoes it affords less Oxygene 3 Purges after these remedies have been used for some time the different vegetable & Mineral Tonics should be used. as

1 Bark

2 Mistleto

3 Opium

4 Magistary of Bismuth

5. Steel

6. Stramonium seeds, they have a specific action on the brain

Brain & Nerves. D^r Archer of Maryland informed me he had twice succeeded in the cure of Epilepsy by Stramonium.

7 Issues & Seatons

8 Ligatures around the limbs to prevent the Anna Epileptica from rising to the Brain - as there is often a retrograde action of the vessels in the body; so the Electroid fluid instead of passing out of the body from the extremities, takes a retrograde action to the Brain

10 Glysters of Tobacco

11 Uniform impressions from diet passions &c

12 Change of Climate from a varying to an equable one which from an uniformity of stimulus tends to keep up equal excitement.

13 Hard Labour

14 Long Journies

15 Fear

16 Salivation. This has been the only remedy that has proved radical in my hands. I have four times succeeded & twice failed by it. I generally bleed before using the Mercury. I have

have failed in exciting Salivation.

All the remote & exciting causes should be carefully avoided. If the disease arise from tremors they should be extirpated. Worms Calculi &c should be dislodged. Repelled eruptions should be restored. During the fit bloodletting should be used.

Lecture 32d March 16th

Hysteria is attended with a rumbling noise in the Abdomen Globus Hystericus. Fickleness of mind. They are constant only in inconstancy it has therefore with propriety been called a "proteus" like disorder.

It appears sometimes in form of Apoplexy & swelling of the face & extremities it arises from Halitus & does not pit like common dropsical swellings. It appears also in form of head ache. Chillness attends Clavis Hystericus which is a coldness on a small spot on the head. Despondency. Despair, Crying Sobbing. Dyspepsy &c Increase of Urine Wakefulness, Frightful dreams, Laughter &c Dyspepsy never occurs in this disease but when it is tending to Hypo=

= chondriasis

=chondriasis. For a description of Hysteria Vide Dr Cullen & Sydenham. It affects women more than men & those between puberty & 35. I have seen it at the age of 6 years. It con=tinues frequently thro' the whole period of menstruation. Single Women, Widows & barren women most subject to it.

Predisposing Cause of this disease is debility accompanied with a plethoric state of the Blood vessels.

Remote Causes are 1 Obstructed or an unusual flow of the Catamonia 2 Strong tea 3 Leucorhoea 4 Lasciviousness &c.

Exciting Causes are 1 Sudden emotions of the mind 2 Offensive smells 3 Heated & impure air 4 Fatigue &c. The mobility or excitability of the system is great the excitement is very weak: Hysteria & Hypochondriasis are dis=tinguished from each other as follows: 1 Hysterical Patients have a great disposition to motion which is not the case in Hypochondriasis 2 In Hysteria there is a great instability of mind now in Hypochondriasis there is an uniformity of mind & one object is always pursued 3 Hysteria is always worst

worst in warm weather & better in cold; vice versa in Hypo=
=chondriacs 4 Hysteria affects women more than men 5 There
is the Globus Hystericus 6 In Hypochondriacs Dyspepsia oc=
=curs. Hysteria is to Hypochondriacs what Typhus Fever is to Synocha

Cure is to lessen the excitability of the system & changing it into regular excitement by

1 Bloodletting

2 Cold Bath

3 Stimulating Gums as Asafotida, Galbanum Myrrh &c

4 Stimulating applications to the Abdomen as Galba=
=num plaister 5 Compressing the body with Bandages & thereby
giving tone to the Nervous system.

6 Accommodating the diet to the state of the sys=
=tem whether plethoric or otherwise.

7 A Constant pursuit of some interesting object

Hence the necessity of calling such women to the care of a family,
Few good housewives have it

8 Excitement of some steady passion. Fear &c
Grief

Asthma is distinguished from Dyspnoea by having Intermissions—

Sometime caused by tumours in the Trachea—

Asthma is distinguished from Pneumony by the absence of that degree of Fever which always Pneumony—

Angina Pectoris— Distinguished by a sudden difficulty of breathing. Anxiety. Pain in the left, but most frequently in both arms— Sometimes there is no pain in the arms. Pulse weak, trembling & intermitting sometimes tense— Like asthma combing with Pleurisy. Hydrothorax &c & still preserves some of its characteristic symptoms— At first felt only after ascending a hill &c but finally the patient cannot move or speak without pain— There is great variety in its symptoms— Distinguished from Hydrothorax by not being preceded by disease in the lungs—

Men more liable to it than women. Appearances

Grief however strange it may sound have cured Hysteria; also the pursuit of Religion.

6 Cold Climate or air

10 Matrimony

A Paroxysm of Hysteria is to be cured by

1 Bloodletting

2 Pediluvium

3 Discharging wind from the bowels by means of a Glysterpipe - Glysters with Asafœtida -

4 Garlic or Mustard to the feet -

5 Opium

6 Fumes of burnt Feathers

There appears to be an inverted order of motion in this disease.

7 Asthma is a difficulty of breathing mostly attended with a malconformation of the Lungs & unattended with cough. Tis evidently a nervous disease.

Predisposing Cause is debility.

Exciting Causes are Heat. Passions, particular odors repelled.

Eruptions

after death - Preternatural quantity of fat - Abscess
Ossification of the arteries of the lungs, and of the
Valves of the heart - No appearance of disease at
all - These are all effects and not causes - For this dis-
ease is often cured if taken in its forming state
Ossification
preventive -

Eruptions indigestible food this should teach you to be particularly attentive to the food of your asthmatic patients .. It occurs sometimes in Gout & during pregnancy. It is under the influence of the moon.

Proximate Cause is a spasm of the Bronchial vessels. The precursors are drowsiness - Windiness &c It may be prevented by

1 Emetics

2 Bloodletting

3 Pediluvium

A Fit of Asthma is to be treated by

1 Bloodletting if the pulse will admit it

2 Cold air & Cold drinks

3 Vomits of Oxymel of Squills Tart: Emet: or Ipecac:

4 Gentle Purges

After the system is reduced give

1 Laudanum

2 Lac: Ammoniac has been used

3 Warmth is now proper

4 Vapours of hot water impregnated with scraped Horse-radish

5 Blisters to the Ancles and Wrists

6 Pediluvium

7 Acids as Elixir of Vitriol Vinegar &c.

Sir John Fowler highly recommended acids. Can Asthma be eradicated from the system? When not from an Organic affection of the Lungs it may Nature sometimes does. Methods of avoiding it are 1 Carefully to avoid plethora By occasional bloodletting & an abstemious diet 2° By avoiding all kinds of indigestible food 3 By a climate and air suited to the disease, a moist atmosphere in most cases seems necessary 4 By seatons 5 By avoiding occasional causes, as wet feet much heat &c 7 an Indian life has cured this disease a laborious life therefore should be recommended 8° Such patients should sleep on Matrasses or the Floor 9 By returning to old habits as muffling &c 10 the Cold Bath is of immense service. Tis a disease of the whole system. The more we treat every other disease

as

as an intermitting fever the more succesful we shall be;
as we will then remember we should use Tonics or Stimu=
=lants in the intervals; & Evacuents during the paroxysms.
Asthma is distinguished into dry & moist - the former is al=
=ways the worst kind

& Dyspnea differs from asthma in being more con=
=stant. It frequently arises from the same causes; particularly
from enlarged viscera from effusions of water in the Thorax,
from Fat from tumours in the Trachea.

Lecture 33.d March 19th —

Hooping Cough arises from Contagion. It is rarely at=
=tended with fever. Children are most subject to it Vide Dr
Cullen. Tis a nervous disease it sometimes exist without hooping=
Cure. In the treatment of this disease the pulse season of
the year & Habit of the patient should be attended to: If morbid
action exists use 1 Bloodletting

2 Emetics should by all means be given every day

particularly

particularly Squills & Ipecacuanah sometimes Tart: Emet:

3 Purges as Rhubarb & Calomel

4 Cold air as riding in the cool air

5 Sea Air suspended the paroxysms

After the morbid action is reduced Dr Cullen supposes the dis-
-ease to be kept up by Habit. Perhaps it may be so we then give

1 Opium

2 Tincture of Asafotida

3 Oil of Amber

4 Garlic

5 Cantharides have been recommended

6 External Applications as Pitch Plaisters Blisters
Spirituous infusions of Garlic rubbed on the Spine &c

7 Change of air is of immense service

8 Gentle exercise

The ordinary period of this disease is six weeks tho' it is by no means constant. Superstition in the remedies of this disease has prevailed more than in any other. The love of money &

desire

Bilious cholic is distinguished from the nervous—
by occuring in the season of Bilious fevers. Discharges
of bile upwards or downwards or both— This is not a
uniform symptom for the liver is sometimes locked
up— Being preceded by chills & accompanied with
fever—

desire of Health seems to level all capacities.

10 Cholic There is certainly a nervous species in this disease. I formerly described to you the febrile Cholic which can always be known by the pulse & other symptoms, Season of the year &c. We shall now speak of Cholic with increased excitability, & debility of the Nerves & Muscles. It is mostly unattended with fever

Remote Causes are 1 General diseases as Hysteria Hypochondriasis Gout &c 2 Diseases of contiguous parts, as Nephritis, Hepatitis &c Remedies in these cases must be directed to the original disease 3 Certain aliments will produce it as Cabbage water impregnated with Lead, sour victuals, Honey, Calculi, Arsenic & Copper-stone fruits, Lamb, Veal, fat meats &c Deranged state of the Intestines from ruptures will often produce it Exciting Causes are several of the remote causes as Cold feet strong tea &c

Predisposing Cause is debility.

Proximate Cause is spasm most frequently on the ilium. The

Iliac

Iliac passions Colica Pictonum &c are nothing but higher grades of this disease. There is certainly a foundation for the Bilious & Nervous Cholics. The one is inflammation the other not. When premonitory symptoms appear as Flatulency, Slight pain &c it may be prevented by

1 Laudanum Gtt X vel XV

2 Pediluvium powerful in preventing

3 Riding a few Miles

When the disease has formed & morbid action exists the cure is

1 Bloodletting. I have bled when the pulse informed one nothing. Pain & Spasm often call for the Lancet as much as any thing beside

2 Lenient Purges, as Castor oil Crem: Tart: & Salts

3 Guiacum is used in the West Indies in the form of a watery solution sweetened, as a purge.

4 Glysters are strongly recommended by Dr Cadwallader. He thought they should only be used after purges. I have used Glysters of Cold Water from one to three pounds with advantage.

5 During the use of these remedies a little opium sh-
ould be used. To ease pain after Morbid Action is subdued give

1 Opium

2 Warm Bath

3 Purges of Rhubarb & Calomel

4 Warm Stimulating applications to the Bowels

5 Stimulating Glysters as Tobacco which acts from its
quality- & Water which acts from its Quantity

6th Blisters to the thighs are immensely useful, they
should be used untill the system is reduced

7 Throwing cold water on the extremities —

8 A Salivation. No Patient should be suffered to
die without trying it it is almost infallible.

9 Water impregnated with Tobacco smoke has
been recommended as drink in Cholic

10 A Tea of Burdock seeds

11 A Spanish Physician has strongly recommen-
-ded sugar of Lead. Favourable symptoms are an increase

of Urine Crepitus, appearance of Scybala &c—

A Paralysis sometimes succeeds which may be removed by depletion & stimulating applications. It seldom comes on after sufficient depletion has been used. It may be prevented during the intervals by attending to the diet; a mixture of Aliment should be avoided. The potatoe is almost the only vegetable that can be eaten with impunity Costiveness should be guarded against particularly; Cold feet should be avoided. Flannel should be worn next the skin Exercise should be used. Oily aliment has been recommended. The habitual use of Garlic & Onions has excellent effects

II Diarrhoea is often a disease of the muscles of the Intestines without fever. It is produced by causes acting on the alimentary canal primarily as acrid matters of various kinds. It sometimes attends pregnancy. An incurable diarrhoea sometimes occurs in children from an obstruction of the Lacteal & Mesenteric Glands when there appears to be a plethora the cure is

1 Bloodletting. Dr Sydenham recommended it highly

2.

2 Purges are often given tho' improperly - none should be given except Rhubarb toasted - in this way it gripes less

3 Vomits of Ipecachuanah are excellent in this disease.

4 Opiates with Ipecac: are good

5 Stimulants & Astringents, as Kino, Oak Bark Persimmon Gum Tormentil Brandy & Loaf sugar

6 Tonics Bitters of all kinds should be used: they should be combined with Aromatic Substances as Cinnamon &c

7 Balsamic medicines are often very serviceable as Balsam Copaviæ Turpentine pills &c

8 Clysters of Ipecac: ℥ß Opii grs ij. Spice jelly is very serviceable -

9 Mullen Milk, Large draughts of toast & water, Mallow Tea -

10 Blisters to the Wrists & Ancles

11 Suitable diet i.e. Ascescent or Alkalescent as occasion may require

12 Warm Bath

13 Cold Bath

14 Exercise

15 Sea Voyage

16 Salivation should always be tried

17 Attention should be paid to the vessels in which the patients diet is cooked; I have known a habitual Diarrhoa cured by a pleurisy.

Lecture 34 March 20th

12 Dyspepsia. It is attended with flatulency pain in the Stomach Eructations &c Causes which act directly in producing it are Bitters. Tobacco, Ardent Spirits. Opium strong tea frequent repetition of gross food also with much liquids, swallowing aliment without mastication. frequent vomits, rejection of Saliva by tobacco much sugar Nitre &c Causes which produce dyspepsia by acting on the whole system are 1 A Sedentary life 2 Vexation of mind 3 Excess of venery 4 Much study 5 frequent intoxication.

Proximate Cause is an increased action of the muscles of the Stomach. Mr Hunter Dr Cullen &c supposed life to be seated in the Stomach. Predisposing Cause is local or general debility. Remote Causes in addition to the proximate are Vapid aliment & diet.

Cure

In Cardialgia unskimmed Milk should be used—
because the acid of the stomach will decompose
the Milk, & its oily part will blunt the acrimony
of the offending matter—

Cure 1 Palliative Remedies are

1 Magnesia

2 Lime Water

3 Alkalis

4 Common salt by itself or with lime juice

5 Gastrodynea attending requires milk —

6 Opium when Gastrodynea attends & just before eating.

7 Laxatives particularly Aloetic pills

2 Radical Cure

1 All causes must be avoided

2 Vomits as Vitr: Alb: or Specac:

3 Bloodletting when much Gastrodynea attends

4 Bitters as Chamomile, Quassia, Columbo & Horseradish Garlic Aromatic Substances as Orange pell, pepper &c Dr Cullen advises Bark — it is not good

5 Rust of Iron with Gu: ▽ of powdered Columbo root to each dose makes the most valuable preparation in this disease Preparations of Iron darken the Stools.

℈ Salivation should by all means be tried when other me-
thods fail ℣ Diet must be accomodated to the state of the patient
Beef, Mutton, Wild fowl, salted meat, & raw oysters best. Parts
nearest the bone to be preferred & made tender before use. They
should be taken often. Biscuit, toasted bread. I have advised my
patients & with great advantage to carry a box filled with beefs
tongue cut into small pieces & biscuit crumbled amongst it to
take a little of it every quarter or half hour. No liquids should
be taken with the patients diet. I always forbid them to drink
while eating. A Glass of good Madeira wine or Porter may be
allowed afterwards. The quantity of food given them should be
small. & as the smell of food often destroys appetite, they should
be kept from large tables. Each kind of food must be ta-
-ken seperately. If patients reject food in all these instances
their aliment must be given them in bed. Turnips of the
vegetable kind of food should be preferred. A spoonful of milk
every hour is excellent. It is common to forbid butter & fat meat.
I have not found them as hurtful. Butter I think is of no dis-
-service

=service. The stomach should never be permitted to be quite empty. for when so like an idle schoolboy it always does mischief. Should Madeira & Porter be rejected Brandy & wa=ter or simple toast & water must be substituted .. A Love of Ar=dent Spirits has been cured by Tart: Emet: it cures by a new association of ideas. Religion, Tea & Coffee are good to prevent an attachment to Spirituous Liquors.

13 Syncope is a diminution of the motion of the heart & every part of the body. Causes are 1 Organic 2 Passions 3 Homorrhagies. Predisposing cause is debility. Proximate Cause is the absence of action & motion in the nervous system Cure 1 When it is owing to Organic imperfection it is incu=rable. 2 When from other causes use

1 Stimuli of different Kinds to the Nose &

2 Fresh air

3 Cold water

4 Blisters

5 Cataplasms

Syncope from drinking cold water is cured by L Laud: When from heat warm bath is the remedy. Prevented by exercise Cold Bath, Favoiding the causes. It may always be overcome by resolation

III Aphyxia. It resembles death in a striking manner. It is a state of Inaction. Substances taken into the Stomach produce it also cold sometimes Contagion, also Carbonic acid gas. —

Cure This is different as the causes producing it. Life de=pends upon the Stimulus of heat to the whole system & the applica=tion of Oxygene to the Lungs, in order to restore life therefore these stimuli should be applied. They must be used according to the state of the system Frictions &c — Death from drowning is from an abstraction of dephlogisticated air Stimuli of all kinds should be gradually applied. Vomiting Bloodletting & purging are improper. The body is lighter than water - then why does it sink at first? 'tis owing to the contraction of the fibres. Why does it afterwards swim? 'tis owing to putrefaction relaxing the fibres in contraction. Aphyxia from hanging is to be treated in ~~the~~ a similar manner.

Lectures

Lecture 35th March 21st

15 Head ache is partly Arterial & partly Nervous. It is a symptom oftentimes of inflammatory action in the different states of fever. The remedies in such cases must be such as have been recommended in those states of fever. When it occurs in Fevers of too little action it is to be cured by Wine Opium &c by equally diffusing the excitement thro' the system. Intermitting Head ache is to be cured by the remedies for intermitting fever. Sometimes it is a symptom of Gout 'tis sometimes symptomatic of Rheumatism. When chronic the steams of hot water are Good. Head ache arises frequently at that period of life between 35 & 40 when there is a struggle between the arteries & veins. 'Tis to be cured by depletion - contusions of the Head are often a cause of this disease. It will occur a long time after such accidents. Depletion should be used. Sometimes incisions into the cranium are necessary Obstructed menses is frequently a cause of this disease. The obstruction must be removed to relieve the Head-ache. 'Tis often caused by abscesses in the Frontal

Sinus

Sinus. It sometimes occurs from Influenza. I have seen it al=
=ternate with a dysmobility of the arms. It frequently occurs from
Dyspepsia from certain aliments, as Chocolate Butter &c all cau=
=ses to be avoided in order to prevent it. The contents of the
Stomach are to be evacuated. During the paroxysm of Headache
a little Laud: or Wine may be given. The sick Headache is
perfectly cured by a dose of Laudanum sometimes a little blood=
=letting is really necessary. When Headache is the effect of Hys=
=teria or Hypochondriasis, it is to be cured by the remedies for
those diseases sometimes it alternates with Mania, in this
case the excitement is transferred from the Nerves to the Blood=
=vessels. It alternates with tremors, arises from heat & cold in ex=
=tremes - from certain odors & winds also from intense study: then
called Morbus Studiosum. Mercury lodged in the Deploe of the
Cranium has been found a cause of it. When the Arterial sys=
=tem is affected we can readily be informed from the pulse

Cure 1 Bloodletting

2 Cupping

3x

3 Laxatives

4 Bark when periodical

5 Blisters

6 Issues

7 Darkness Silence & Rest

8 Cold applications as Vinegar &c.

9 Tight Ligatures as well as all other exciting causes

are to be carefully avoided When the pulse discovers marks of inflammation Digitalis is good. When there is action Coffee should be avoided Emetics afford only temporary relief Valerian has been used. When there is too little action we must use

1 Opium

2 Wine

3 Asafotida

4 Gentle Stimulating food

5 Blisters

6 Sternutatories

7 Tea & Coffee.

8

℥ Ether

℈ Clover applied externally

10 Pediluvium

11 Cold Bath

12 Salivation

Headache of long duration often ends in deafness blindness &c

16 Venereal Disease. Tis the prerogative of God to pu=
=nish man says Sydenham not of Man. It has been divided into
Lues Venerea & Gonorrhoa. Gonorrhoa is devided into Benigna &
Virulenta. Gonorrhoa benigna occurs from much venery. Bruises
Gout, Intermitting Fever, new impressions, more debility as Fear &
Teething. Gonorrhoa Virulenta arises in consequence of impure coc=
=tion, a tainted bed, tainted privies tainted Breeches &c. Hard drink=
=ing will excite it. From 3 to 6 days is the period in which it
appears after contract Tho' it will appear at much more Len=
=ghthy periods. It may be cured in its most simple state by di=
=lution with mild liquids & external lotions. Mercurial Ointment
made without Turpentine the Yock of an egg & a solution of Gum
Arabic

Arabic make an excellent injection. A scruple of Calomel
℥iv of a solution of G: Arab: makes also a valuable injection
1 Chancres may be removed by Red Precip: &c 2 Swelled Tes=
-ticles may be removed by suspension. Emetics, Mercurial Oint=
=ment &c 3 Buboes cured by Mercurial Ointment. The Lye poul=
-tice should be used if tending to suppuration. They should never
be opened 4 Phymosis prevented by keeping the parts clean cured
by Emolient poultices & incision 5 Paraphymosis to be cured by
cold water &c. 6 Chordee cured by Opium & sleeping in tight
breeches 7 Gleets - Cured by Balsam of Copaiva Steel A good
injection is thus prepared

℞ Sacch: Saturni gss ℈ij
Merc: Corros: Sub: gr i ij
Spts. of Sal: Ammon: gtt XL
Aq: Font: ℥iv Mft et inject sope in Die

A simple Gleet may be cured by Matrimony. 8 Strictures cured by
Bougies, Caustics &c. The preparations of Lead are improper for in=
=jections. Lues is to be cured by the use of Mercury internally &

externally

8th Last

externally, the patient should bathe in warm water be-
-fore using the mercurial frictions. The best form to exhibit
the Mercury is to triturate the Quicksilver with Gum Aral-
-ic & mix it with soap Warts are to be cut off when they
form. Patients should not be salivated to a great degree
The Ungt Citrinum is the best ointment when eruptions take
place on the skin; always accommodate your remedies to the di-
-athesis of the system Opium can only be proper when the system
is relaxed & stimuli are required. The Nitric acid has been
lately used to cure this disease. Hypochondriasis & Rheu-
-matism have been frequently mistaken for it. Tis then cal-
-led the Noddle pox - you must undeceive them & give them no
medicine. Lues disposes much to Rheumatism. Leprous
spots have been suspected to be Venereal. Where they followed
this disease

Lecture 36th March 22d.

1st Costiveness. When local it arises from particular diet
as Cheese &c from a change or from a new diet, from certain
drinks

drinks as Port Wine &c from a sedentary life from a negli-
gence in going to stool from riding & Sailing from certain
matters obstructing the lower bowels as Feces in the form of
Scybala.

Cure 1 Early Rising

2 Going to Stool at particular periods

3 Laxative diet as Indian Meal roasted apples &c

4 Laxative Medicines as Crem: Tart: Sulphur &c
Rhubarb chewed aloes & the butter nut pill are recommen-
-ded; but the aloes when long used is apt to induce piles &c
The butter nut pill is apt to act as a Narcotic.

5 If it arises from obstructions in the rectum
they should be removed

6 all occasional causes should be avoided

7 A close stool should be made use of in winter
time instead of a necessary on account of the cold air. Costiveness
produces Head ache, Nephritis Jaundice &c but more frequently
induces Cholic & Piles.

℔ Cancer is a tumour derived from schirrus Causes are whatever induce schirrus. Effusions will produce it Obstructed menses excite it in the womb from effusion. It is either with or without ulcer. It is known by heat itching, indurations &c. Tis most frequently found in glandular parts. On the penis ulcers are apt to terminate in cancers. Internal cancers are incurable. They generally affect people beyond 45 years of age. Humours of old people have a particular acrimony. Hence acrid Urine, Saliva, Tears, &c. Cancers are more frequently in cold than in warm climates. They are either local or general.

Cure 1st Internal remedies are

1 Low diet
2 Belladona
3 Cicuta
4 Hyociamus
5 Bark
6 Steel
7 Mercury

℥ Arsenic

℈ Bloodletting. Just before a schirrus ulcerates the pulse shews marks of inflammatory action. Here Blood-letting I concieve to be proper. In this as in all other diseases the pulse must be our guide 10th Salivation has cured cancer

II External remedies are

1 Excision. Cancers used to be called "noli me tangere" they should be called "Excide me" always advise the extirpation of the smallest tumours. Never dismiss such patients without strongly advising such extirpations 2d Caustics as Poke Root, Sumach, Indian Turnip, Lunar Caustic, Caustic Alkali, Arsenic &c These are only proper in small tumours. The habit, diet & exercise should be attended to.

1℈ Cutaneous Eruptions arise from morbid affection of the cutaneous vessels, from scurvy Lues &c Cure. In the use of internal remedies we should study the habit. Bloodletting would often be required. If the pulse be inactive, Tonics as Bark Wine & Animal diet should be advised. External remedies are numerous – as

1 Tar Ointment.

2 Un-

2 Ungt Citrinum

3 Ungt Precipit Alb:

4 An Ointment of Sulphur Nitre & Lead For Herpes

the best remedy is 1 Sal Merc: Corros: Subl: &c

2 Sprinkling with Calomel

3 Cold & Warm Bath.

In Tonia Capitis the hair must be shorn. Lice oftner induce this disease than any thing else. Ring worm is evidently an animal.

Cure 1 Ink

2 Gun powder

3 Nitrous Acid diluted so as not to excoriate will never fail.

Itch. Cure is 1 Sulphur

2 Mercurial Ointment

3 Sulphur shirt worn a week

Morbus Pediculosis — Cure

1 G Ointment

2 Lark Spur

3 Cleanliness

21 Deafness. It arises sometimes from inflammation, also from wax & extraneous substances. Cure. When inflammation exists we must treat it as mentioned. When from wax by

1 Extracting it by instruments & injections. No solvent has yet been found for the Ear wax. Nineteen cases out of twenty I believe arise from wax. When from an insensibility of the membrane of the Tympanum a little salt is serviceable; let it stay in all night. When from relaxation of that membrane a tea of Tanners Bark is very useful. Cantharides finely powdered has been thrown into the ear with advantage. Extraneous substances, as Insects &c must be extracted or destroyed.

Lecture 37th March 23d.

22 Ulcers. I beg leave on this occasion to refer you to my 2d Vol: of Surg: &c.

23 Corns. They are the cause of much pain & invite to Gout

Cure 1 Caustics

2 Blisters

3 Arsenic

4 Caustic Alkali

5 Large easy shoes should be recommended when caustics are objected to they may be rendered by the plaisters of Diachylon

24 For the diseases of Old people see my 2 Vol:

25 Diseases of Women

1 Leucorrhœa this is commonly called the Whites & is mostly a topical disease in Young Women; in old it is the effect of general de=bility it is generally attended with pain in the back

Cure - always examine the state of the system. If there exist much action, it must be reduced. If on the contrary there be real de=bility, as most generally is give

1 Steel
2 Bark
3 Turpentine
4 Balsam Copaiva
5 Injections &c

When ulcers are formed Mercurial injections should be used. Wine generous diet exercise & salivation should be had recourse to when others fail. It excites a new action. Cold Bath should also be tried.

2d

2 Diseases during Pregnancy are

1 Breeding sickness
2 Tooth Ache
3 Costiveness
4 Incontinency of Urine
5 Ischuria
6 Swelled Legs
7 Giddiness of the Head
8 Numbness of the Limbs
9 Cramp
10 Dyspepsia
11 Cough
12 Discharge of Blood from the Vagina.
13 Convulsions

In all these cases, the state of the system as manifested by the pulse must direct us Bloodletting is generally called for. The bowels in every case must be kept open by gentle laxatives Banda-ges should be worn around the Abdomen for six or eight weeks after delivery for the important purpose of preventing Large & Flabby bellies.

3 Puerp-

3 Puerperal Fever. It is often a Typhoid state; but it is frequently Synocha & Synochula &c It comes on at different periods from one day to six weeks — 'tis attended with Fever, Head ache, Torpor coldness. Pulse first weak & small, then full. Pains in the sides, region of the Liver Spleen Bladder, Convulsions quick breathing weak cough Nausea Vomiting, Diarhoa or Costiveness. The Lochial discharge sometimes stops or flows liberally & is always offensive Miliary eruptions swelled abdomen &c. The duration of the disease is from 1 to 15 days. The pain sometimes ceases before death Abscesses sometimes take place. It has been said to arise from inflammation of the Womb; from translation of the Milk &c But 'tis not so; I think it is owing to different stagnating matters from a hot regimen & from impure air. The disease is inflammatory, Typhoid & Typhus. When inflammatory the

Cure is 1 Bloodletting

2 Vomits Has been recommended by Dr Doulcet When there is a Nausea present they are serviceable. He recommended Ipecac: ——

3 Gr

3 Gentle purges if costive

4 Demulcents & Astringents if Diarrhoa attend –

5 Opium according to the state of the system

6 Bark –

7 Blisters after reducing the system

8 Fomentations to the Abdomen

9 Fresh air.

The sooner fever comes on the worse, a weak pulse is bad also costiveness. Petechio are always alarming. Discharge of the Lochia a favourable symptom. This fever may be prevented by fresh air, rest, silence moderate diet &c. ——

3 Swelled Legs after parturition sometimes terminate in Mortification Cure 1 Bloodletting

2 Purging

3 Fomentations

4 Frictions

5 Volatile Liniment

4 Swelled Breasts

Cure 1 Bloodletting

2 Purging

2 Purging

3 Repelling Applications, as a Solution of Sal: Ammon: Vinegar & Water Lye Poultice &c

4 Opening when it impostumates –

5 Sore Nipples may be prevented by drawing out the Nipples from the breasts about a month before delivery, especially before go=ing to bed.

25 Diseases of Children. Underwood is the best on the diseases of children. No Library is complete without it. Their dis=eases are easily cured, as they are simple arterial diseases. For as they have no mind to act on the body they are exempted from nervous affections. Bloodletting is of immense consequence in all their diseases. In Cholera Infantum I frequently have bled with the happiest effects.

Finis

RUSH
—
LECTURE
NOTES

2